TravelMate 730 series

User's guide

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TravelMate 730 Series Notebook Computer User's Guide
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TravelMate Notebook Computer

Model Number : _________________________________

Serial Number: __________________________________

Purchase Date: _________________________________

Place of Purchase: ______________________________

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Notices

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Increase the separation between the device and receiver
3. Connect the device into an outlet on a circuit different from that to which the receiver is connected
4. Consult the dealer or an experienced radio/television technician for help

Notice: shield cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with noncertified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

Use conditions

This part complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B respected toutes les exigences du Règlement sur le matériel brouilleur du Canada.

FCC modem notice

This equipment complies with Part 68 of the FCC Rules. Located on the bottom side of the modem is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. Upon request, you must provide this information to your telephone company.

If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But, if advance notice is not practical, you will be notified as soon as possible. You will also be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If this equipment should fail to operate properly, disconnect the equipment from the phone line to determine if it is causing the problem. If the problem is with the equipment, discontinue use and contact your dealer or vendor.

Important safety instructions

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
11. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power cord or plug is damaged or frayed

   - b. If liquid has been spilled into the product
   - c. If the product has been exposed to rain or water
   - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
   - e. If the product has been dropped or the cabinet has been damaged
   - f. If the product exhibits a distinct change in performance, indicating a need for service.

13. Replace the battery with the same type as the product's battery we recommend. Use of another battery may present a risk of fire or explosion. Refer battery replacement to a qualified serviceman.
14. Warning! Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children and dispose of used batteries promptly.
15. Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SPT-2, rated 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

Laser compliance statement

The CD-ROM drive in this computer is a laser product. The CD-ROM drive's classification label (shown below) is located on the drive.

CLASS 1 LASER PRODUCT
CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

APPAREIL A LASER DE CLASSE 1 PRODUIT
LASERATTENTION: RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITTER TOUTE EXPOSITION AUX RAYONS.

LUOKAN 1 LASERLAITE LASER KLASSE 1
VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHLL AUSSETZEN

PRODUCTO LÁSER DE LA CLASE I
ADVERTENCIA: RADIACIÓN LÁSER INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.

ADVARSEL: LASERSTRÅLING VEDÅBNING SE IKKE IND I STRÅLEN.

VARO! LAVATTAESSA OLET ALTTINA LASERSÅTEILYLLE.

VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ TUIJOTA SÅTEESEENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NAR DENNA DEL ÅR ÖPPNADSTIRRA EJ IN I STRÅLEN

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

Battery statement

CAUTION
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

ADVARSEL!
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

ADVARSEL
Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

VARNING
Explosionsfara vid felaktigt batteribyte. Anvãnd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera anvãnt batteri enligt fabrikantens instruktion.

VAROITUS
Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

VORSICHT!
Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur

durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

Year 2000 compliance statement

The TravelMate 730 notebook computer carries the "Hardware NSTL Tested Year 2000 Compliant" logo, which certifies that this model has been tested by NSTL using the YMark2000 test, and has been found to meet NSTL's standards for Year 2000 hardware compliance.

For more details, check the Acer Year 2000 Resource Center at (www.acer.com.tw/service/y2k/index.htm).

Modem notice

This equipment has been approved to Council Division 98/482/EC - “CTR 21” for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact your equipment supplier in the first instance.

Macrovision copyright notice statement

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Preface

This manual describes features of the TravelMate 730 series notebook computers. TravelMate series computers incorporate such features as CardBus, 16-bit stereo audio, Fast Infrared, internal 56K modem, internal pointing device with scroll function, Universal Serial Bus, Accelerated Graphics Port and all-in-one media storage.

This manual should answer most of the questions you have about the day-to-day operation of your TravelMate notebook computer.

Use the **Just for Starters…** instructions that came with your computer to get your computer running for the first time.

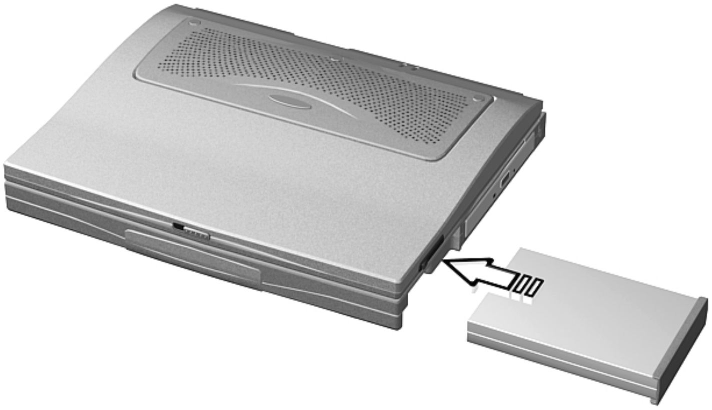
You should also take advantage of the online help files that are available with almost all of the programs shipped with your computer.

We hope you enjoy your TravelMate computer. With proper care, your computer will provide you with years of productive service.

Connecting the computer

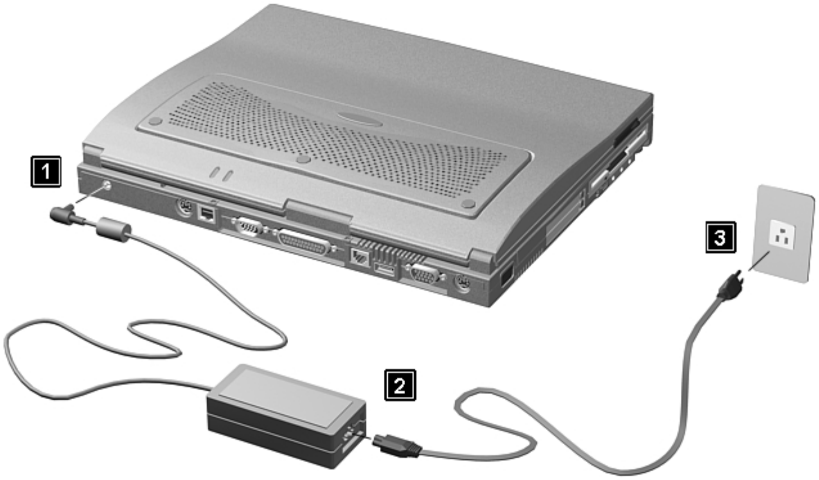
Connecting the computer is as easy as 1-2-3.

1. Insert the battery pack into the battery compartment, push it all the way in until it clicks into place.

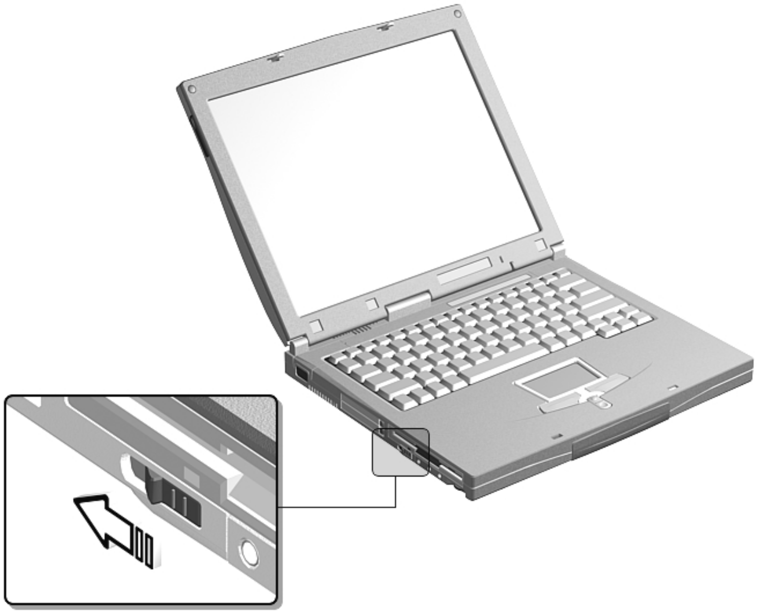


Note: When using a battery pack for the first time, fully recharge the battery, then disconnect the adapter to use up the battery before recharging again. You only need to do this once with a new battery.

2. Connect one end of the AC adapter to the DC-in port on the computer's rear panel and the other end to a properly grounded power outlet.



3. Slide the display cover latch to the left to open the display. Slide the power switch towards the rear of the computer then release it to turn on the power. The POST (power-on self-test) routine then executes and Windows begins loading.



Note: To turn off the power, slide and hold the power switch for more than four seconds. If you are using Windows 98, we recommend that you use the Shut Down command to turn off the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.

Turning off the computer

There are a number of ways you can turn the power off.

- Using the Windows **Shut Down...** command

  Click on **Start**, **Shut Down...**, and select Shut down; then click on **OK**
- Using the power switch

  Note: You can also use the power switch to perform power management functions. See "Setting advanced features in power management" on page 89.

- Using customized functions for power management

  You can also shutdown the computer by closing the display cover, or by pressing the sleep hotkey (**Fn**-**F4**). See "Setting advanced features in power management" on page 89.

  Note: If you cannot power off the computer normally, press and hold the power switch for more than four seconds to shut down the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.

Getting help and support

This user's guide provides clear and concise information about the computer, so read it thoroughly. To provide you with help when traveling, the computer also has a comprehensive online help.

Accessing online help

Follow these steps to access the online documentation:

1. Press the Windows logo button or click on the **Start** button.
2. Select **Programs**.
3. Click on **TravelMate Online**.

The online help is easy to navigate with hypertext and hypergraphics. Clear illustrations help describe notebook operation as well.

Accessing the user's guide

This printed user's guide is also available in PDF format, which may come in handy if you need to print out a copy. To view the file, Adobe Acrobat Reader must be installed.

Follow these steps:

1. Click on **Start**, **Programs**, **TravelMate**.
2. Click on **TravelMate User's Guide**.

Note: If Adobe Acrobat Reader in not installed on your computer, clicking on TravelMate User's Guide will run the Acrobat Reader setup program first. Follow the instructions on the screen to complete the installation.

For instructions on how to use Adobe Acrobat Reader, access the **Help** menu.

Support information

Your computer is backed by an International Traveler's Warranty (ITW) that gives you security and peace of mind when traveling. Our worldwide network of service centers are there to give you a helping hand.

An ITW passport comes with your computer. This passport contains all you need to know about the ITW program. A list of available, authorized service centers are in this handy booklet. Read this passport thoroughly.

Always have your ITW passport on hand, especially when you travel, to receive the benefits from our support centers. Place your proof-of-purchase in the flap located inside the front cover of the ITW passport.

If the country you are traveling in does not have an Acer-authorized ITW service site, you can still get in contact with our offices worldwide.

For technical assistance and support in the United States and Canada, you can call 1-800-816-2237. You can also contact a local dealer or distributor in the country you are traveling in for assistance.

Note: For more information, "Online services" on page 113. If you are connected to the Internet and have World Wide Web access, visit our home page (www.acer.com/) and get an updated list of our worldwide offices, as well as information about our products.

Care and maintenance

Taking care of your computer

Your computer will serve you well if you take care of it.

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not expose the computer to temperatures below 0°C (32°F) or above 50°C (122°F).
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not subject the computer to heavy shock and vibration.
- Do not expose the computer to dust and dirt.
- Never place objects on top of the computer to avoid damaging the computer.
- Never place the computer on uneven surfaces.

Taking care of your AC adapter

Here are some ways to take care of your AC adapter:

- Do not connect the adapter to any other device.
- Do not step on the power cord or place heavy objects on top of it. Carefully route the power cord and any cables away from all potential traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere ratings of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.

Taking care of your battery pack

Here are some ways to take care of your battery pack:

- Use only batteries of the same kind as replacements. Turn the power off before removing or replacing batteries.

- Do not tamper with batteries. Keep them away from children.
- Dispose of used batteries according to local regulations. Recycle if at all possible.

Cleaning and servicing

When cleaning the computer, follow these steps:

1. Power off the computer and remove the battery pack.
2. Disconnect the AC adapter.
3. Use a soft cloth moistened with water. Do not use liquid or aerosol cleaners.

Contact your dealer or see your service technician if any of the following occurs:

- The computer has been dropped or the body has been damaged.
- Liquid has been spilled into the product.
- The computer does not operate normally.

1 Getting familiar with your computer

This computer combines high-performance, versatility, power management features and multimedia capabilities with a unique style and ergonomic design. Work with unmatched productivity and reliability with your new power computing partner.

This chapter gives an in-depth "tour" of the computer's many features.

Features

This computer was designed with the user in mind. Here are just a few of its many features:

Performance

- Intel® Pentium® III processor with 256 KB level 2 cache and Intel® SpeedStep™ technology support
- 64-bit memory bus
- 2X AGP video graphic accelerator with 8 MB video memory
- Large LCD display
- Internal removable CD-ROM or DVD-ROM drive (AcerMedia Bay)
- Built-in floppy drive
- High-capacity, Enhanced-IDE hard disk
- Lithium-Ion battery pack
- Power management system with hibernation power-saving modes

Multimedia

- 16-bit high-fidelity PCI stereo audio with 3-D sound and wavetable synthesizer
- Built-in dual speakers with microphone
- S-video output
- Ultra-slim, high-speed CD-ROM or DVD-ROM drive
- Dual display capability

Connectivity

- High-speed fax/data modem port
- Fast infrared wireless communication
- USB (Universal Serial Bus) port

Human-centric design and ergonomics

- All-in-one design (CD-ROM, floppy drive, hard disk drive)
- Sleek, smooth and stylish design
- Full-sized keyboard

- Wide and curved palm rest
- Ergonomically-centered touchpad pointing device

Expansion

- CardBus PC card (formerly PCMCIA) slot (type II/I or type III) with ZV (zoomed video) port support
- DockMate V mini docking station option for one-step connect/ disconnect from peripherals
- Upgradeable memory and hard disk

Display

The large graphics display offers excellent viewing, display quality and desktop performance graphics. The computer supports a Thin-Film Transistor (TFT) liquid crystal display (LCD) displaying 24-bit true-color at 1024x768 Extended Graphic Array (XGA) resolution.

Video performance

2X AGP video graphic accelerator with 8 MB of video memory boost video performance.

Simultaneous display

The computer’s large display and multimedia capabilities are great for giving presentations. If you prefer, you can also connect an external monitor when giving presentations. This computer supports simultaneous LCD and CRT display. Simultaneous display allows you to control the presentation from your computer and at the same time face your audience. You can also connect other output display devices such as LCD projection panels for large-audience presentations.

Dual display

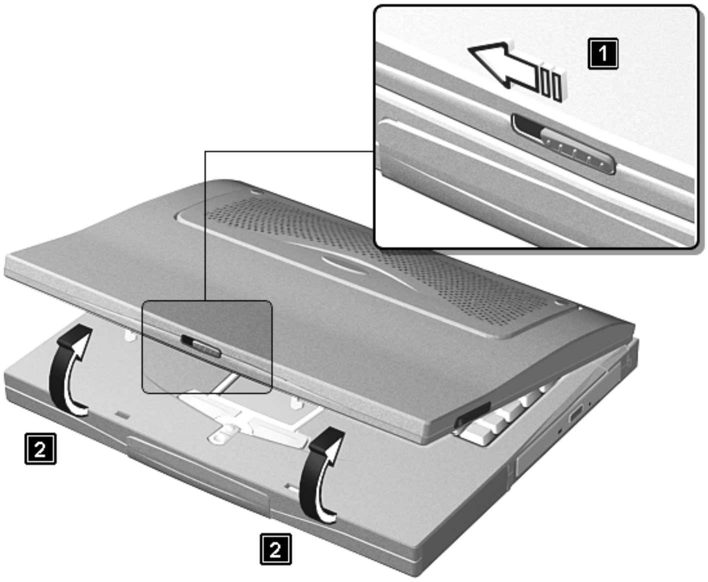
The computer’s unique graphics chip takes advantage of Windows 98’s multi-display capability, allowing you to extend your desktop to an external display device, such as an external monitor projector. With this feature enabled, you can move program windows to/from the computer LCD and the external monitor.

Power management

The power management system incorporates an "automatic LCD dim" feature that automatically dims the LCD when the computer is powered by a battery pack to conserve battery power. See “Power management” on page 40 for more information on power management features.

Opening and closing the display

To open the display, slide the display cover latch to the left and lift up the cover. Then tilt it to a comfortable viewing position. The computer employs a microswitch that turns off the display (and enters Standby mode) to conserve power when you close the display cover, and turns it back on when you open the display cover.



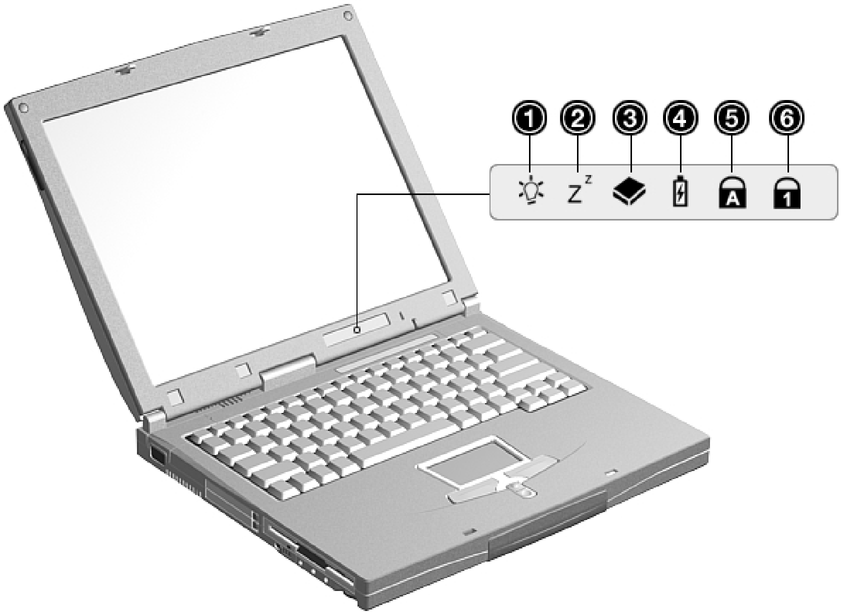
Note: If an external monitor is connected, the computer turns off the panel backlight (but does not enter Standby mode) when you close the display cover.

To close the display cover, fold it down gently until the display cover latch clicks into place.

Caution: To avoid damaging the display, do not slam it when you close it. Also, do not place any object on top of the computer when the display is closed.

Indicators

The computer has six easy-to-read status indicators (LEDs) under the display screen.



The Power and Standby indicators are visible even when you close the display cover so you can see the status of the computer while the cover is closed.

#	Icon	Function	Description
1	☼	Power	Lights when the computer is on. Blinks when a battery-low condition occurs.
2	Zz	Standby	Lights when the computer enters Standby mode.
3	◆	Media Activity	Lights when the floppy drive, hard disk or CD-ROM drive is active.
4	🔋	Battery Charge	Lights when the battery is being charged.
5	A	Caps Lock	Lights when Caps Lock is activated.

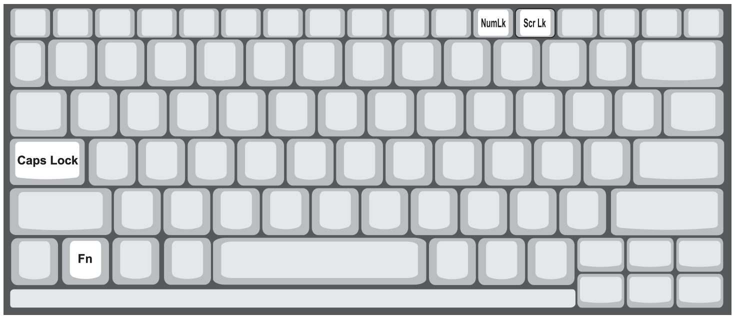
#	Icon	Function	Description
6	1	Num Lock	Lights when Numeric Lock is activated.

Keyboard

The keyboard has full-sized keys with an embedded keypad, separate cursor keys, two Windows keys and twelve function keys.

Special keys

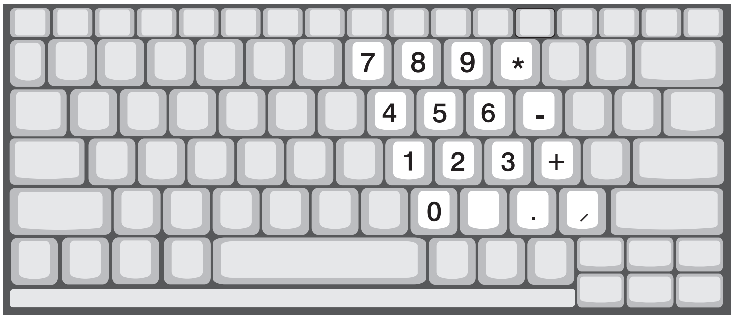
Lock keys



The keyboard has three lock keys which you can toggle on and off.

Lock Key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock (Fn-F11)	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad. See “External keypad” on page 51.
Scroll Lock (Fn-F12)	When Scroll Lock is on, the screen moves one line up or down when you press ↑ or ↓ respectively. Scroll Lock does not work with some applications.

Embedded numeric keypad

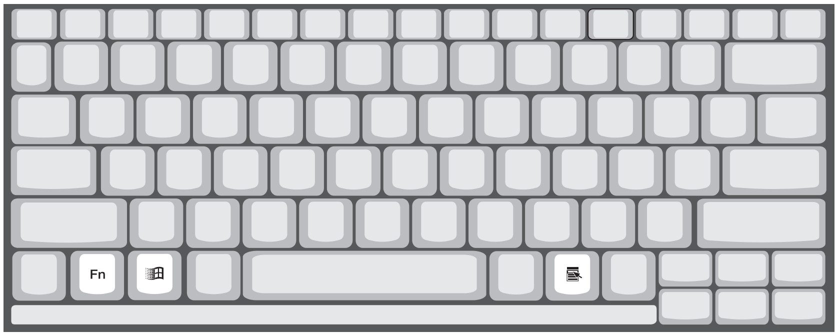


The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located in the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

Desired Access	Num Lock On	Num Lock Off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold Shift while using cursor-control keys.	Hold Fn while using cursor-control keys.
Main keyboard keys	Hold Fn while typing letters on embedded keypad.	Type the letters in a normal manner.

Note: If an external keyboard or keypad is connected to the computer, the Num Lock feature automatically shifts from the internal keyboard to the external keyboard or keypad.

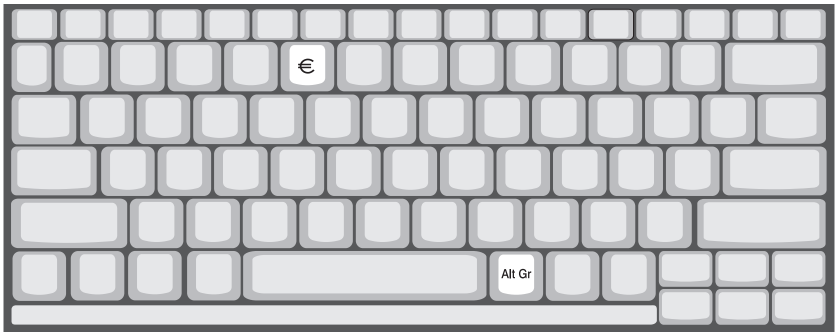
Windows keys



The keyboard has two keys that perform Windows-specific functions:

Key	Description
Windows logo key	Start button. Combinations with this key perform special functions. Below are a few examples: ⊞ + Tab (Activates next Taskbar button) ⊞ + E (Explores My Computer) ⊞ + F (Finds Document) ⊞ + M (Minimizes All) Shift + ⊞ + M (Undoes Minimize All) ⊞ + R (Displays Run dialog box)
Application key (Fn-Application key)	Opens the application's context menu (same as right-click).

The Euro symbol



If your keyboard is in any of the following languages — United States-International, United Kingdom, French, German, Italian, Spanish, Portuguese, Danish, Swiss German, Swiss French, Czech, Belgian, Norwegian, Hungarian, Turkish, Swedish or Finnish — you can type the Euro symbol from your keyboard.

Important! (for US keyboard users) The keyboard type is set when you first set up Windows. For the Euro symbol to work, the keyboard type has to be set to United States-International.

To verify the keyboard type:

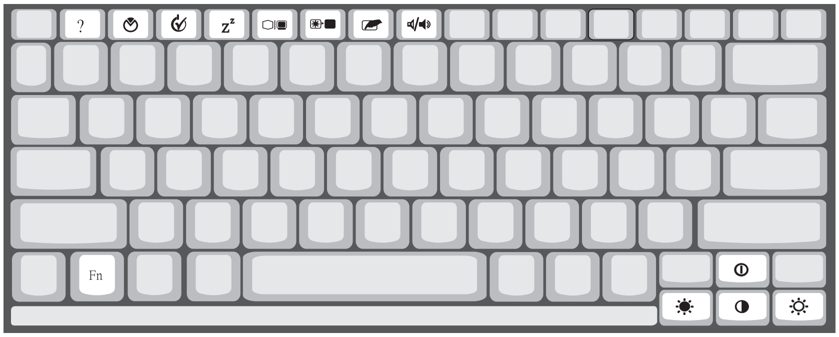
1. Click on **Start, Settings, Control Panel**.
2. Double-click on **Keyboard**.
3. Click on the **Language** tab.
4. Verify that the keyboard type used for "En English (United States)" is set to **United States-International**.
5. If not, select and click on **Properties**; then select **United States-International** and click on **OK**.
6. Click on **OK**.

To type the Euro symbol:

1. Locate the Euro symbol on your keyboard.
2. Open a text editor or word processor.
3. Hold **Alt Gr** and press the Euro symbol.

Note: The **Alt Gr** is only used together with the Euro symbol. Some fonts and software do not support the Euro symbol. Please refer to (**www.microsoft.com/typography/faq/faq12.htm)** for more information.

Hotkeys



The computer employs hotkeys or key combinations to access most of the computer's controls like screen contrast and brightness, volume output and the BIOS setup utility.

HotKey	Icon	Function	Description
Fn-F1	?	Hotkey help	Displays a list of the hotkeys and their functions.
Fn-F2		Setup	Accesses the notebook configuration utility. See "Notebook Manager" on page 83.
Fn-F3		Power scheme toggle	Switches between the different power management schemes.
Fn-F4	Zz	Sleep	Puts the computer in Sleep mode, which can be defined via the advanced section of the Power Management Properties in the Windows Control Panel.
Fn-F5		Display toggle	Switches display output between the display screen, external monitor (if connected) and both the display screen and external monitor.
Fn-F6		Screen blank	Turns the display screen backlight off to save power. Press any key to return.

HotKey	Icon	Function	Description
Fn-F7		Touchpad on/off	Turns the internal touchpad on and off. When you connect an external PS/2 mouse, the computer automatically disables the touchpad.
Fn-F8	🔇/🔊	Speaker on/off	Turns the speakers on and off; mutes the sound.
Fn-↑	⦶	Contrast up	Not applicable, because the contrast level of TFT displays is already optimized.
Fn-↓	◐	Contrast down	Not applicable, because the contrast level of TFT displays is already optimized.
Fn-→	☼	Brightness up	Increases the screen brightness.
Fn-←	☀	Brightness down	Decreases the screen brightness.

Activating hotkeys

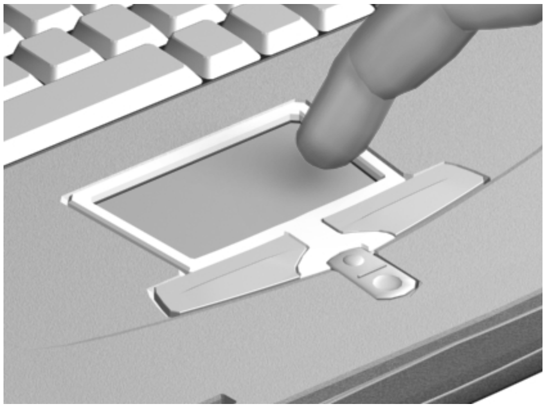
When activating hotkeys, press and hold the first key **Fn** before pressing the other key in the hotkey combination.

Keyboard ergonomics

Located below the keyboard, the wide and curved palm rest is ergonomically designed to provide you with a very comfortable place to rest your hands while you type.

Touchpad

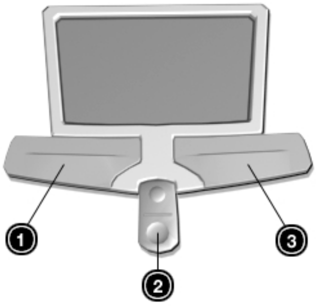
The built-in touchpad is a PS/2-compatible pointing device that senses movement on its surface. This means the cursor responds as you move your finger on the surface of the touchpad. The central location on the palm rest provides optimum comfort and support.



Note: When you connect an external PS/2 mouse, the computer automatically disables the internal touchpad.

Touchpad basics

The following items teach you how to use the touchpad:



- Move your finger across the touchpad to move the cursor.
- Press the left (1) and right (3) buttons located on the edge of the touchpad to do selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad produces similar results.
- Use the center (2) buttons (top and bottom) to scroll up or down a page. This button mimics your cursor pressing on the right scroll bar of Windows applications.

Function	Left Button	Right Button	Center Button	Tap
Execute	Click twice quickly			Tap twice (at the same speed as double-clicking the mouse button)
Select	Click once			Tap once
Drag	Click and hold, then use finger to drag the cursor on the touchpad			Tap twice (at the same speed as double-clicking the mouse button) and hold finger to the touchpad on the second tap to drag the cursor
Access context menu		Click once		
Scroll			Click and hold the up/ down buttons	

Note: Keep your fingers dry and clean when using the touchpad. Also keep the touchpad dry and clean. The touchpad is sensitive to finger movements. Hence, the lighter the touch, the better the response. Tapping too hard will not increase the touchpad's responsiveness.

Customizing the center button

You can customize the function of the center button as follows:

1. Click on **Start**, **Settings**, **Control Panel**.
2. Double-click on **Mouse**.

3. Click on the **Button Actions** tab.
4. Customize the settings for Rocker Switch.
5. Click on **OK**.

Storage

This computer supplies you with all-in-one media storage:

- High-capacity Enhanced-IDE hard disk
- Standard ultra-slim internal 3.5-inch floppy drive
- High-speed ultra-slim removable CD-ROM or DVD-ROM drive

Hard disk

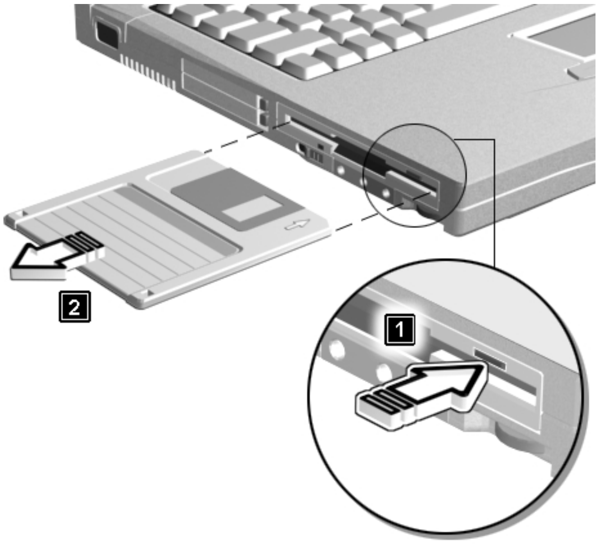
The hard disk can be upgraded when you need more storage space. Consult your dealer for details.

Floppy drive

The ultra-slim internal floppy drive reads and writes on standard 3.5-inch diskettes.

Ejecting a floppy disk

Press the floppy disk eject button (1) to eject a floppy disk from the floppy drive (2).

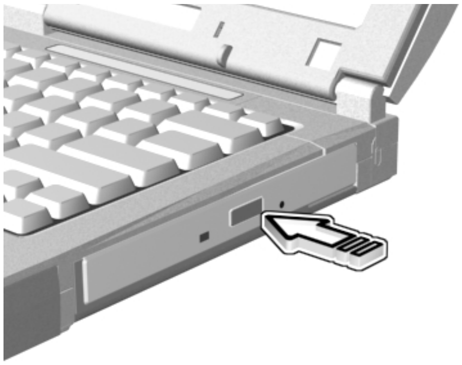


AcerMedia Bay

A high-speed CD-ROM drive module sits in the AcerMedia Bay on the right side of the computer. The CD-ROM drive gives you portable multimedia access.

Ejecting the CD-ROM tray

To eject the CD-ROM drive tray when the computer is turned on, press the CD-ROM eject button.



Note: When power is off, you can eject the CD-ROM drive tray using the emergency eject hole (see page 107).

Playing DVD-ROM

Some models come standard with a DVD-ROM drive. To play DVD movies on your computer, follow these steps:

1. Click on **Start**, **Programs**, then **Mediamatics DVD Express**.
2. Click on **Mediamatics DVD Player**.

Note: When you launch the DVD player for the first time, the program asks you to input the region code. DVD discs are divided into 6 regions. Once your computer is set to a particular region code, it will play DVD discs of that region only. You can set the region code a maximum of five times (including the first time), after which the last region code set will remain permanent. Refer to the following table for DVD movie region code information:

Region code	Country or Region
1	U.S.A., Canada
2	Europe, Middle East, South Africa, Japan
3	Southeast Asia, Taiwan, Korea (South)
4	Latin America, Australia, New Zealand
5	Former U.S.S.R., parts of Africa, India
6	People's Republic of China

Note: To change the region code, insert a DVD movie of a different region into the DVD-ROM drive. Please refer to the online help for more information.

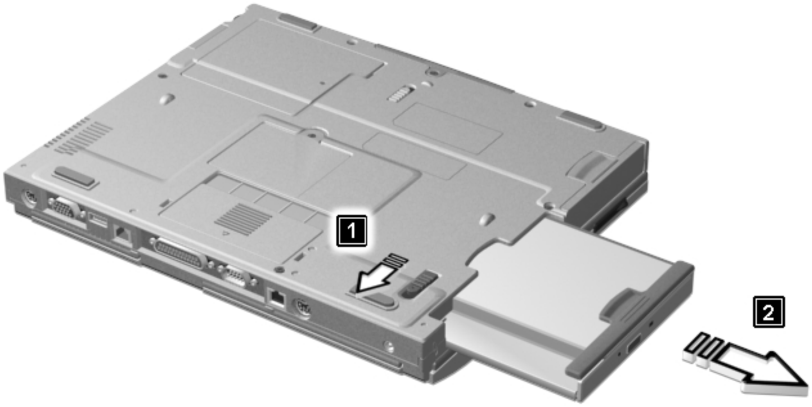
Swapping modules

The flexible AcerMedia Bay allows you to swap the standard CD-ROM drive with other high-capacity media modules such as a DVD-ROM drive or an LS 120 module.

Follow these steps:

1. Shut down the computer.
2. Locate the AcerMedia Bay release latch; then slide the latch towards the bay and hold.

3. Grasp the bay release grip area and pull the module out of the AcerMedia Bay; then release the bay release latch.



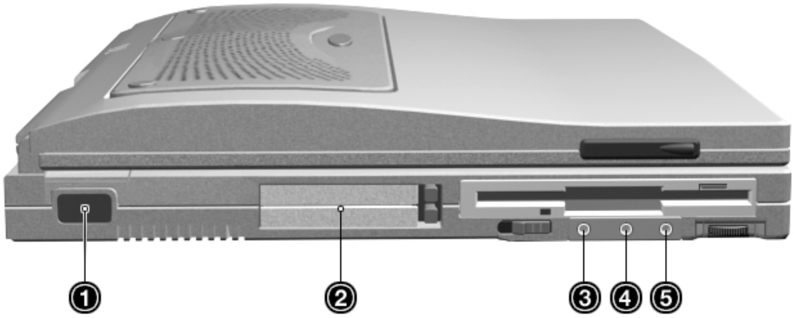
4. Insert a module into the AcerMedia Bay until it clicks into place.

Ports

Ports allow you to connect peripheral devices to your computer as you would with a desktop PC.

Note: See Chapter 3 on how to connect external devices to the computer.

Left ports

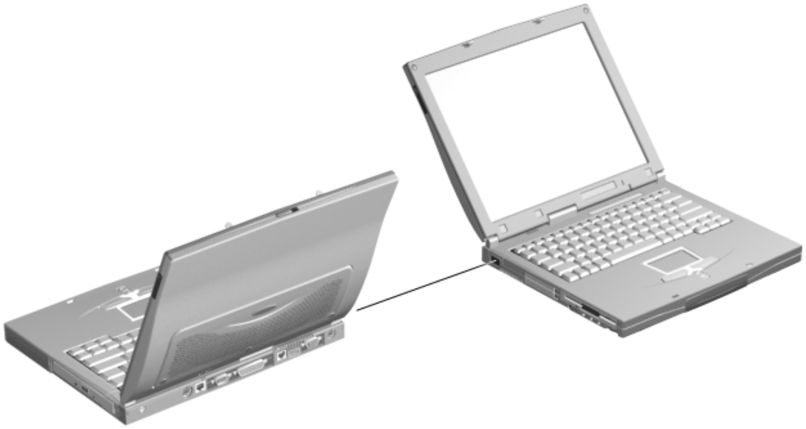


#	Icon	Port	Connects to...
1		Infrared port	Infrared devices (e.g., infrared printers, IR-aware computers)
2		PC card slot	16-bit PC cards and 32-bit CardBus PC Cards (ZV support in the lower slot)
3		Speaker-out jack	Speakers or headphones
4		Audio line-in jack	Audio line-in device with a 3.5mm minijack (e.g., audio CD player, stereo walkman)
5		Microphone-in jack	3.5mm minijack condenser microphone

Fast infrared

The computer's fast infrared (FIR) port allows you to do wireless data transfer with other IR-aware computers and peripherals such as infrared printers. The infrared port can transfer data at speeds of up to four megabits per second (Mbps) at a distance of up to one meter.

To use FIR, position two IR-aware devices such that their IR ports are no more than one meter apart and offset no more than 15 degrees.



When the two computers are in position, simply begin the data transfer as you normally would. See your file transfer software for details.

PC card slots

There are two type II/I (or one type III) CardBus PC card slots found on the left panel of the computer. These slots accepts credit-card-sized cards that enhance the usability and expandability of the computer.

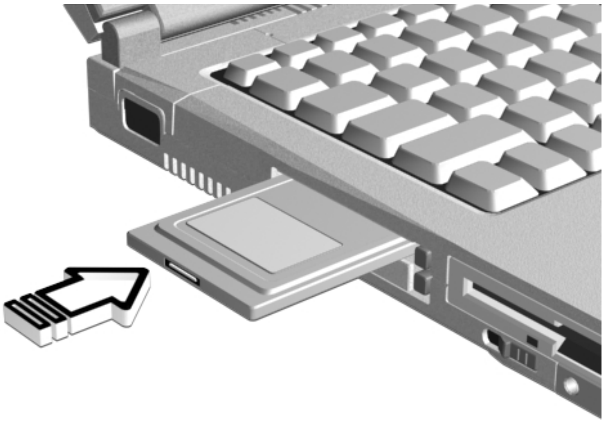
PC cards (formerly PCMCIA) are add-on cards for portable computers, giving you expansion possibilities long afforded by desktop PCs. Popular type II cards include flash memory, SRAM, fax/data modem, LAN and SCSI cards. Common type III cards are 1.8-inch ATA drives and cellular modems. CardBus improves on the 16-bit PC card technology by expanding the data path to 32 bits.

ZV (zoomed video) support in the lower slot allows your computer to support hardware MPEG in the form of a ZV PC card.

Note: Refer to your card's manual for details on how to install and use the card and its functions.

Inserting a card

Insert the card into the slot and make the proper connections (e.g., network cable), if necessary. See your card manual for details.

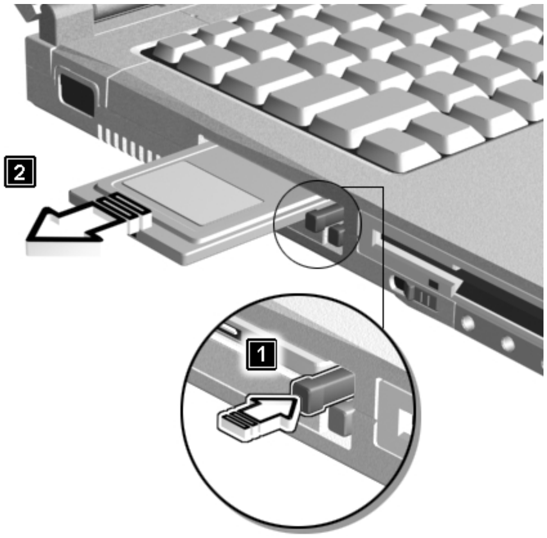


Ejecting a card

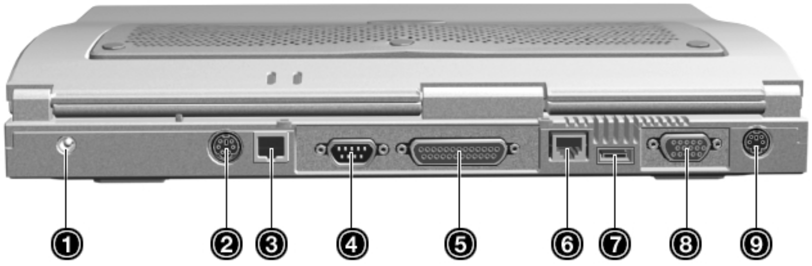
Before ejecting a PC card:

- Exit the application using the card.
- Left-click on the PC card icon on the taskbar and stop the card operation.

Press the slot eject button once (1) to pop it out; then press it again (2) to eject the PC card.



Rear ports



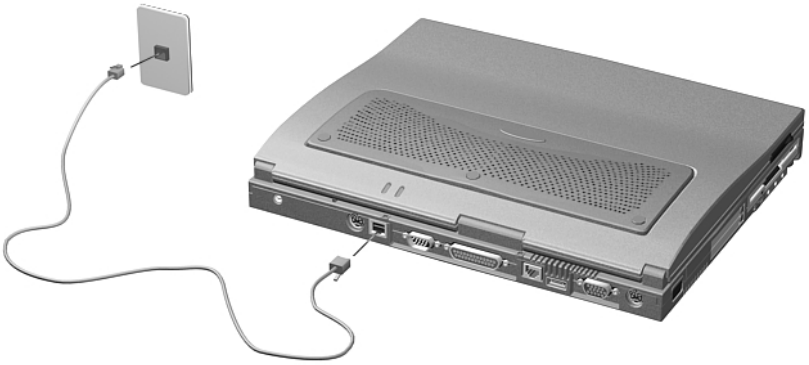
#	Icon	Port	Connects to...
1	⎓	DC-in jack	AC adapter and power outlet
2	🖱⌨	PS/2 port	PS/2-compatible devices (e.g., PS/2 keyboard/mouse/keypad)
3	☎	Modem jack	Phone line (only for models with an internal fax modem)
4	IOIOI	Serial port	Serial devices (e.g., serial mouse)
5	🖶	Parallel port	Parallel devices (e.g., parallel printer)
6	🖧	Network jack	Ethernet-based network
7	●⭢	USB port	USB devices (e.g., USB mouse)
8	🖵	External monitor port	Display monitor (up to 1600x1200 resolution, 24-bits)
9	📺	S-video output jack	Television with S-video input jack

Fax/data modem

The computer has a built-in fax/data modem (available in select countries).

Caution: This modem port is not compatible with digital phone lines. Plugging this modem into a digital phone line will damage the modem.

To use the fax/data modem port, connect a phone cable from the modem port to a telephone jack.



Ethernet jack

The built-in network feature allows you to connect your computer to an Ethernet-based (10BaseT and 100BaseT) network.

To use the network feature, connect an Ethernet cable from the network jack on the rear of the computer to a network jack or hub on your network. Then configure network settings for your computer.

Note: Contact your network or system administrator for information on how to configure your computer to work in your network environment.

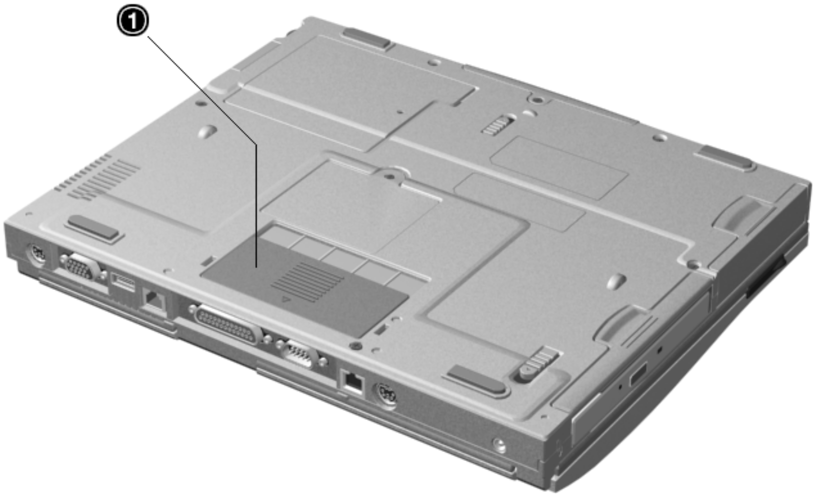
Universal Serial Bus

The Universal Serial Bus (USB) port is a high-speed serial bus which allows you to connect and daisy-chain USB peripherals without taking up precious system resources.

S-video

You can connect a television set with an S-video jack to the computer, which is useful for large audience presentations and entertainment.

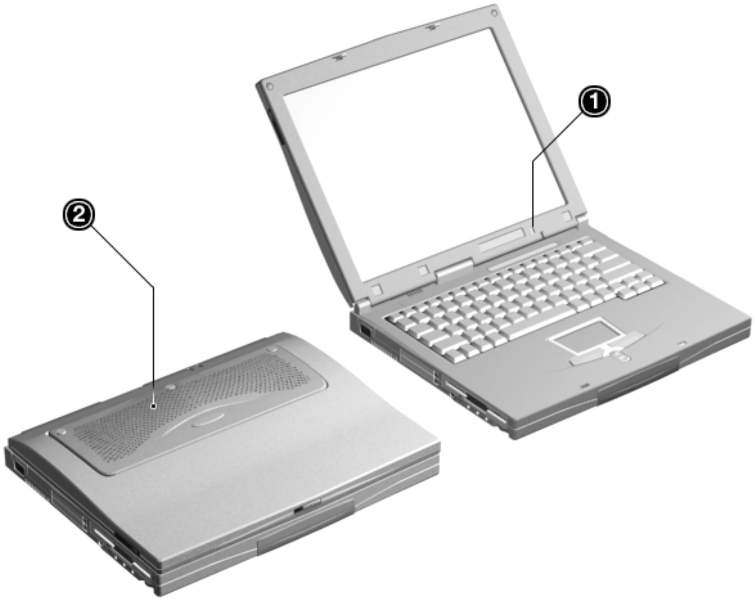
Bottom ports

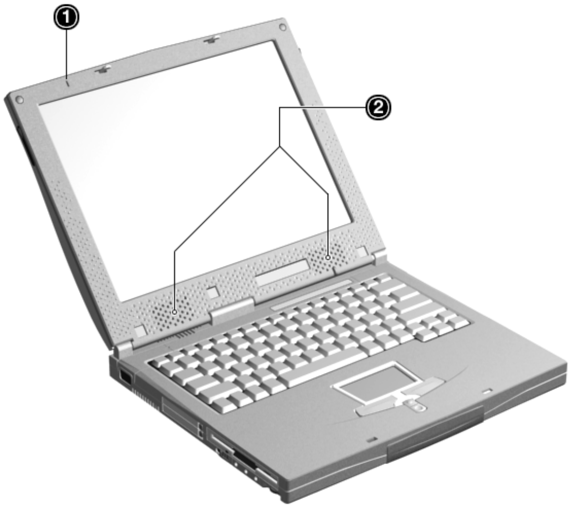


#	Icon	Port	Connects to...
1	🖳	Mini docking connector	DockMate V mini docking station

Audio

The standard computer configuration includes 16-bit high-fidelity stereo audio with further enhancements that include 3D sound for true audio immersion. A sensitive microphone is located beside the status indicators for the 14.1” and 15” models and on top of the LCD for the 13.3” model (1). The dual speakers are located on top of the LCD cover for the 14.1” and 15” models and in front for the 13.3” model (2).

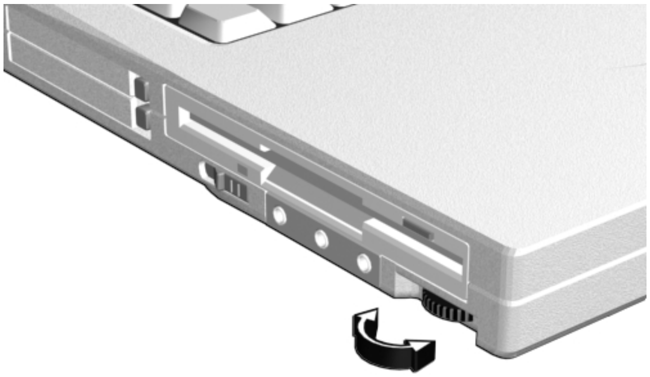




Besides the built-in speakers, there are audio ports on the left panel of the computer. See "Audio devices" on page 55 for more information on connecting external audio devices.

Adjusting the volume

Adjusting the volume on the computer is easy with a rotary volume control knob on the left panel. Turn the knob to the left to increase the volume; turn it to the right to decrease the volume.



Enabling the 3D enhance function

You can enable or disable the 3D enhanced audio function by doing the following:

1. Double-click on the volume control (speaker) icon displayed on the taskbar.

   Note: If the speaker icon is not displayed on the taskbar, enable this feature (show volume control on the taskbar) via the Multimedia icon in the Control Panel.

2. Click on the **Options** menu and select **Advanced Controls**.
3. Click on the **Advanced** button that now appears in the Master Volume Balance column.
4. Click **3D Effect Enable** to enable the 3D enhance control.
5. Click on **OK**.

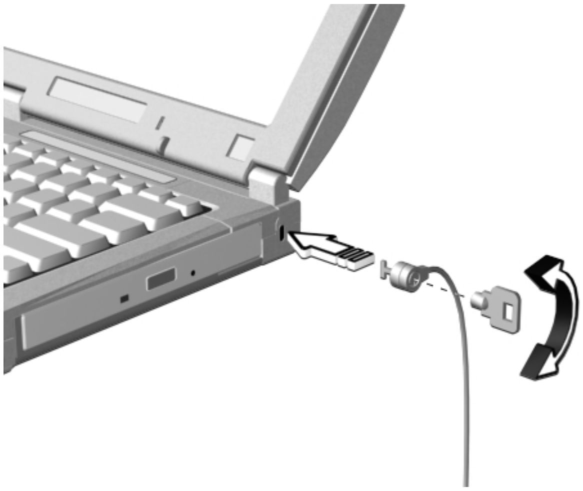
Securing your computer

Security features include hardware and software locks — a security notch and a multilevel password scheme.

Security notch

A security notch located on the right panel of the computer lets you connect a Kensington-compatible key-based computer security lock.

Wrap a computer security lock cable around an immovable object such as a table or locked drawer handle. Insert the lock into the notch and turn the key to secure the lock.



Passwords

A multilevel password scheme protects your computer from unauthorized access. When set, no one can access the computer without entering the correct password.

There are three types of passwords you can set:

- Setup Password secures your computer against unauthorized entry to and use of the BIOS Utility.
- Power-on Password secures your computer against unauthorized use.
- Hard Disk Password secures your compouter against unauthorized access to the internal hard disk.

See “System Security” on page 98 for details.

Important: Do not forget your password! If you forget your password, you need to contact your dealer.

Setting a password

You can set passwords using:

- Notebook Manager — go to page 87.
- BIOS Utility — go to page 99.

2 Operating on battery power

The computer operates on AC or battery power. This chapter contains the information you need to know to operate the computer on battery power. It also includes information on how your computer manages and saves power.

Battery pack

The computer uses a battery pack that gives you long use between charges.

Battery pack characteristics

The battery pack has the following characteristics:

- Employs current battery technology standards

  The computer uses a Lithium-Ion battery pack which does not have the memory effect problem of Nickel Cadmium (NiCd) batteries. Lithium-Ion batteries consistently provide the longest battery life, best-suited for road warriors.

- Battery-low warning

  When the battery charge level becomes low, the status indicator of the computer flashes at regular intervals. This tells you that the battery power is critically low (and you should save your work). You can correct this situation by recharging the battery pack.

Whenever possible, use the AC adapter. The battery will come in handy when you travel or during a power failure. It is advisable to have an extra fully-charged battery pack available as backup.

Using a battery pack for the first time

When using a battery pack for the first time, follow these steps:

1. Connect the AC adapter to a power source and to the computer and fully recharge the battery.
2. Disconnect the adapter to use up the battery before recharging again.

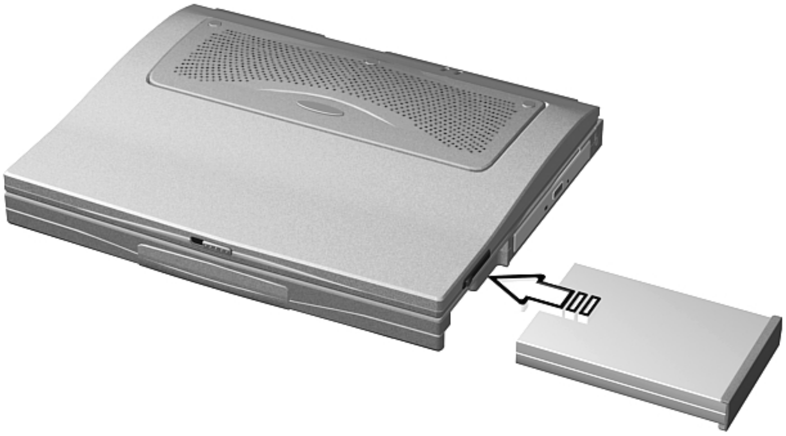
You only need to do this once or twice with a new battery or with a battery that's been stored without being used for a long time. If the computer is to be stored for more than two weeks, we suggest you remove the battery pack. Battery power from a fully charged battery pack depletes in roughly a day with the computer in Standby mode, a month in Hibernation mode or when power is off.

Warning! Do not expose battery packs to temperatures below 0°C (32°F) or above 60°C (140°F). This may adversely affect the battery pack.

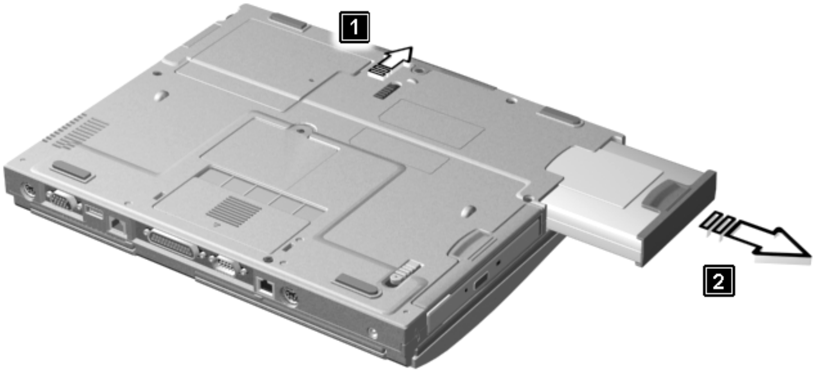
Installing and removing the battery pack

Important! Before removing the battery pack, make sure that you have an AC adapter connected to the computer; otherwise, turn off the computer.

To install a battery pack, slide it into the battery compartment until you hear a click.



Located at the bottom of the system is a latch with a battery logo, slide the latch in the direction of the arrow (1) and then slide the battery out of the battery compartment to remove it (2).



Charging the battery

To charge the battery, slide the battery pack into the battery bay and plug the AC adapter into the computer and an electrical outlet.

Charging modes

The adapter has two charging modes:

- Rapid mode

  The computer uses rapid charging when the power is turned off and a powered AC adapter is connected to it. In rapid mode, a fully depleted battery gets fully charged in approximately 3.5 hours.

- Charge-in-use mode

  When the computer is in use with the AC adapter plugged in, the computer also charges the battery pack if it is installed. This mode will take longer to fully charge a battery than rapid mode. In charge-in-use mode, a fully depleted battery gets fully charged in approximately 5 hours.

Note: We suggest that you charge the battery pack before retiring for the day, letting it charge overnight before traveling. This ensures a fully charged battery for use the next day.

Checking the battery level

Using the Windows battery meter

The Windows battery meter indicates the present battery level. Simply rest your cursor on the battery meter (or AC plug) icon on the taskbar to see the present charge level of your battery.

Optimizing battery life

This section helps you get the most out of battery operation. Optimizing battery life prolongs the charge/recharge cycle and improves recharge efficiency. Follow these suggestions to optimize and maximize battery power:

- Purchase an extra battery pack.
- Use Sleep Manager to reserve hard disk space for the Hibernation

function. See “Sleep Manager” on page 78.

- Use the AC adapter whenever possible so that the battery is reserved for on-the-go computing.
- Keep the battery pack in the computer powered by the AC adapter. The constant trickle charge maintains the battery level to eliminate the battery self-discharge effect. The charge-in-use function also charges the battery pack.
- Disable the parallel and serial ports if no devices are connected to these ports. You can do this through the Setup Utility. See “Onboard Device Configuration” on page 96.
- Eject the PC card from the card slot when it is not in use, since the PC card draws extra power. See “Ejecting a card” on page 25.
- Store the battery pack in a cool, dry place. The recommended storage temperature for battery packs ranges from 10 to 30 degrees Celsius. The higher the storage temperature, the faster the battery pack self-discharges.
- The batteries can be recharged about 400 times when used as directed. Excessive recharging decreases battery life.
- Take care of your battery pack and AC adapter. See “Care and maintenance” on page xvii of the preface.

Battery-low warning

You never have to worry about battery power as long as you are using the AC adapter. However, when you operate the computer on battery power, pay extra attention to the power indicator on the display panel.

The following signal indicates a battery-low condition:

- The power indicator flashes at regular intervals until battery power is depleted.

Warning! Connect the AC adapter to the computer as soon as possible. Data is lost when computer power is cut off during Standby mode.

The following table shows the recommended course of action to take when you encounter a battery-low condition:

Situation	**Recommended Action**
AC adapter and power outlet available	1. Connect the AC adapter to the computer. 2. Save all necessary files. 3. Resume work. Power off the computer if you wish to recharge the battery rapidly.
An extra fully-charged battery pack available	1. Save all necessary files. 2. Exit the application. 3. Power off the computer. 4. Replace the battery pack. 5. Power on the computer and resume work.
AC adapter or power outlet not available	1. Save all necessary files. 2. Exit the application. 3. Power off the computer. or 1. Save all necessary files. 2. Enter Sleep mode (press Fn-F4).

Power management

This computer has a built-in power management unit that monitors system activity. System activity refers to any activity involving one or more of the following devices: keyboard, mouse, floppy drive, hard disk, peripherals connected to the serial and parallel ports, and video memory. If no activity is detected for a period of time (called an inactivity timeout), the computer stops some or all of these devices in order to conserve energy.

This computer employs a power management scheme that supports ACPI (Advanced Configuration and Power Interface) which allows for maximum power conservation and maximum performance at the same time. Windows handles all power-saving chores for your computer.

Advanced Configuration and Power Interface

Advanced Configuration and Power Interface (ACPI) is a power management specification jointly developed by Intel, Microsoft, and Toshiba. ACPI enables Windows to control the amount of power given to each device attached to the computer. With ACPI, Windows can turn off peripheral devices when they are not in use, thereby saving power.

Note: We recommend you enable power management to prolong your battery life.

Power management modes

Sleep mode (ACPI)

If ACPI is installed, all power management functions are handled by the Windows operating system.

Sleep mode may be one of three computer power-saving modes: Standby, Hibernation or power off.

To enter Sleep mode under ACPI:

- Press the Sleep hotkey **Fn-F4**
- Allow the idle times for devices and the computer determined by Windows 98 to elapse

How to exit Sleep mode depends upon which power-saving mode the computer is in.

Display standby mode

Screen activity is determined by the keyboard, the built-in touchpad, and an external PS/2 pointing device. If these devices are idle for the period specified by the LCD backlight Timeout value, the display shuts off until you press a key or move the touchpad or external mouse.

"Automatic dim" feature

The computer has a unique "automatic dim" power-saving feature. When the computer is using AC power and you disconnect the AC adapter from the computer, it automatically dims the LCD backlight to save power. If you reconnect AC power to the computer, it automatically adjusts the LCD backlight to a brighter level.

Hard disk standby mode

The hard disk enters standby mode when there are no disk read/write operations within the period of time determined by the power management system. In this state, the power supplied to the hard disk is reduced to a minimum. The hard disk returns to normal once the computer accesses it.

Standby mode

The computer consumes very low power in Standby mode. Data remains intact in the system memory until the battery is drained.

There are four ways to enter Standby mode:

- Pressing the Sleep hotkey **Fn-F4**
- If the waiting time specified by the Standby Timeout value or the operating system elapses without any system activity
- Closing the display cover
- When the computer is about to enter Hibernation mode (e.g., during a battery low condition), but the Hibernation file is invalid or not present

Note: If the computer does not enter Standby mode after pressing the Sleep hotkey, it means the operating system will not allow the computer to enter the power-saving mode.

The following signals indicate that the computer is in Standby mode:

- The buzzer beeps (when the hotkey is pressed to enter into Standby mode)
- The Standby indicator lights

Warning! Unstored data is lost when you turn off the computer power in Standby mode or when the battery is drained.

To leave Standby mode and return to normal mode:

- Press any key
- Have the Resume Timer set and let it be matched
- Open the display cover
- Experience an incoming PC card modem event

Hibernation mode

In Hibernation mode, all power shuts off (the computer does not consume any power). The computer saves all system information onto the hard disk before it enters Hibernation mode. Once you turn on the power, the computer restores this information and resumes right where you left off before entering Hibernation mode.

Before the computer can enter Hibernation mode, the Hibernation file created by Sleep Manager must be present and valid. See “Sleep Manager” on page 78.

Then, there are three ways to enter Hibernation mode:

- Pressing the Sleep hotkey **Fn-F4**
- If the waiting time specified by the Hibernation Timeout value elapses without any system activity
- Invoked by the operating system power-saving modes

Note: If the computer beeps but does not enter Hibernation mode after pressing the Sleep hotkey, it means the operating system will not allow the computer to enter the power-saving mode.

To exit Hibernation mode, press the power switch. The computer also resumes from Hibernation mode if the Resume Timer is set and matched.

Warning! Do not change any devices (such as add memory) when the computer is in Hibernation mode.

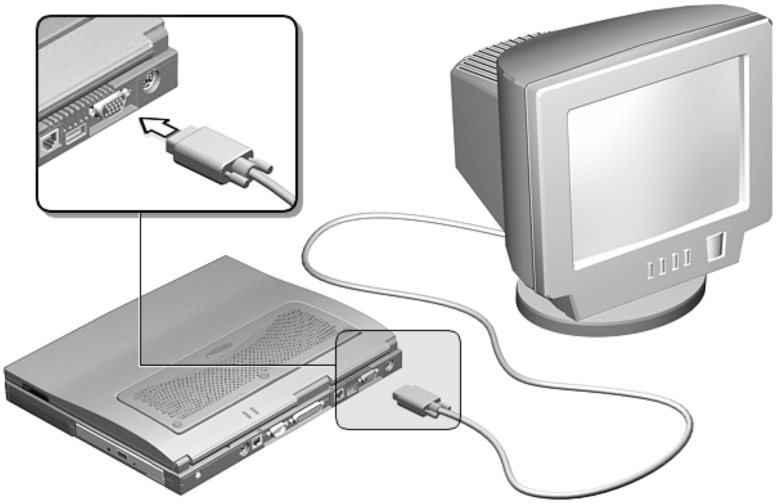
3 Peripherals and options

Your computer offers excellent expansion capabilities with its built-in ports and connectors. This chapter describes how to connect peripherals and hardware options that help you use your computer with ease. When connecting peripherals, read the manual included with the peripheral for operating instructions. You can purchase most of these and other options directly from Acer.

This chapter also includes sections on how to upgrade key components. Key component upgradeability helps keep your computer in step with the latest technology.

External monitor

To show graphical effects on a larger display, connect an external monitor to the CRT port. Read the monitor manual for additional instructions.



Note: If an external monitor is not connected, closing the display cover puts the computer into Standby mode.

Using dual display

Your computer takes advantage of Windows 98 multi-display capability, allowing you to expand your desktop to an external display device. This gives you more desktop space to work on.

To use dual display, you can choose to connect other output display devices to the computer through the CRT port. The port is especially useful for presentations and entertainment as it allows you to display your computer output to a television monitor or LCD projector and to extend it with dual display enabled.

Enabling dual display

To enable and set dual display options, follow these steps:

1. Click on **Start, Settings....**, then **Control Panel**.
2. Double-click on **Display**.
3. Click on the **Settings** tab.

The Display Properties window shows two display devices, labeled **1** and **2**. Typically, 1 would refer to your computer LCD and 2 to the external device.

4. Set these display devices individually by first clicking on the desired device, then clicking on the different tabs to set display properties for that device.
5. Click on display device **2**.
6. Select "Extend my Windows desktop onto this monitor" to enable dual display.
7. Click on **OK**.

For more information, refer to Windows help.

Display resolution combinations

Please refer to the following table when you set resolution and color settings for dual display mode.

Dual display for LCD and CRT:

	CRT	640x480				800x600				1024x768				1280x1024				1600x1200
LCD	bits	8	16	24	32	8	16	24	32	8	16	24	32	8	16	24	32	8
640 x 480	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	●
	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	32	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
800 x 600	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	32	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
1024 x 768	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
	32	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: 8-bits = 256 colors, 16-bits = high-color or 64,000 colors, 24 and 32-bits = 16 million or true-color.

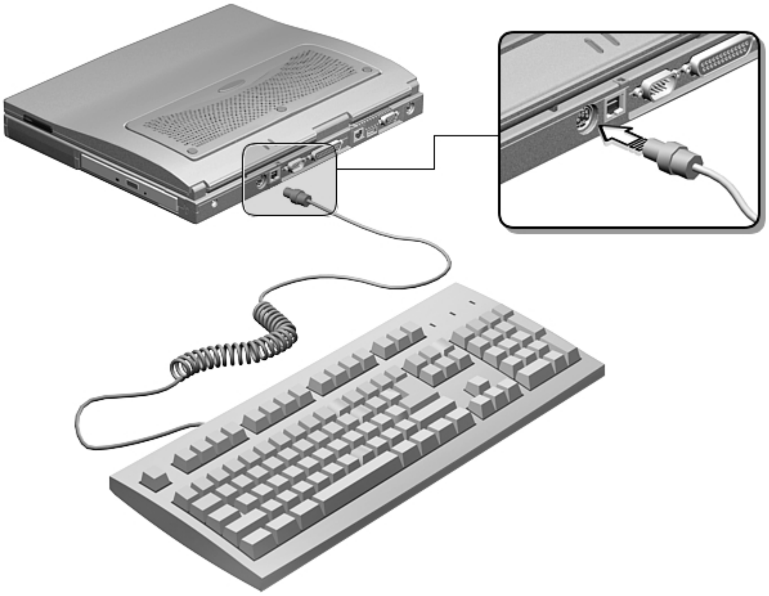
Dual display for LCD and TV:

	TV	640x480				800x600				1024x768			
LCD	bits	8	16	24	32	8	16	24	32	8	16	24	32
640 x 480	8	●	●	●	●	●	●	●	●	●	●	●	●
	16	●	●	●	●	●	●	●	●	●	●	●	●
	24	●	●	●	●	●	●	●	●	●	●	●	●
	32	●	●	●	●	●	●	●	●	●	●	●	○
800 x 600	8	●	●	●	●	●	●	●	●	●	●	●	●
	16	●	●	●	●	●	●	●	●	●	●	●	●
	24	●	●	●	●	●	●	●	●	●	●	●	●
	32	●	●	●	●	●	●	●	●	●	●	●	○
1024 x 768	8	●	●	●	●	●	●	●	●	●	●	●	●
	16	●	●	●	●	●	●	●	●	●	●	●	●
	24	●	●	●	●	●	●	●	●	●	●	●	●
	32	●	●	●	●	●	●	●	●	●	●	●	○

External keyboard

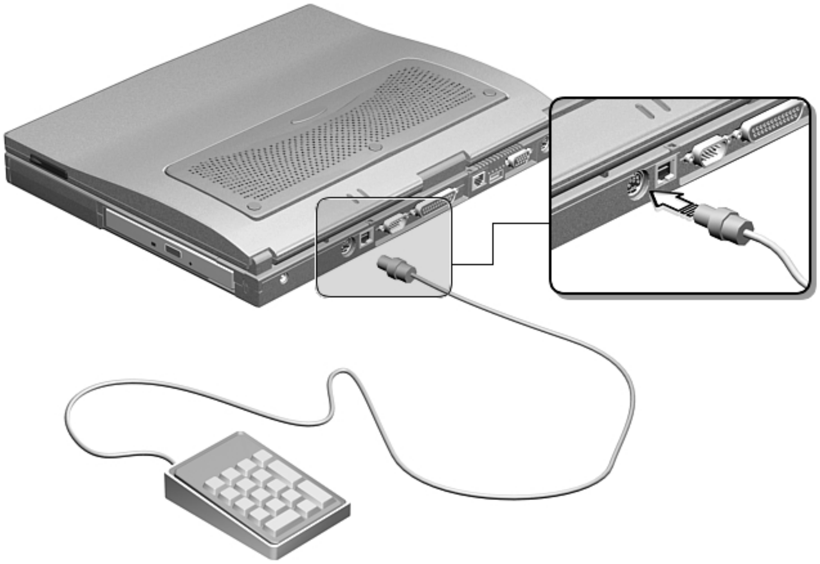
This computer has a keyboard with full-sized keys and an embedded keypad. If you feel more comfortable using a desktop keyboard, you can install a PS/2-compatible external keyboard.

To connect an external keyboard, plug the external keyboard into the PS/2 connector.



External keypad

You can also use a 17-key numeric keypad for number-sensitive, data-entry applications. To connect the keypad, plug the keypad connector into the PS/2 port.



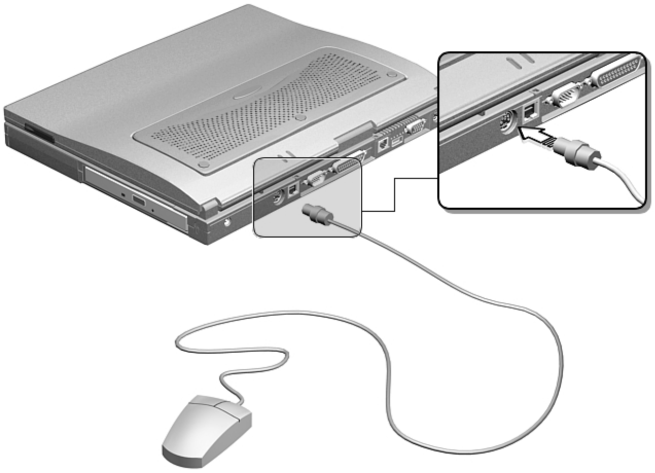
External pointing device

This computer accepts either a PS/2-compatible or serial mouse, USB mouse or similar pointing device.

Note: When using an external mouse, you may choose to disable the internal touchpad by pressing Fn-F7.

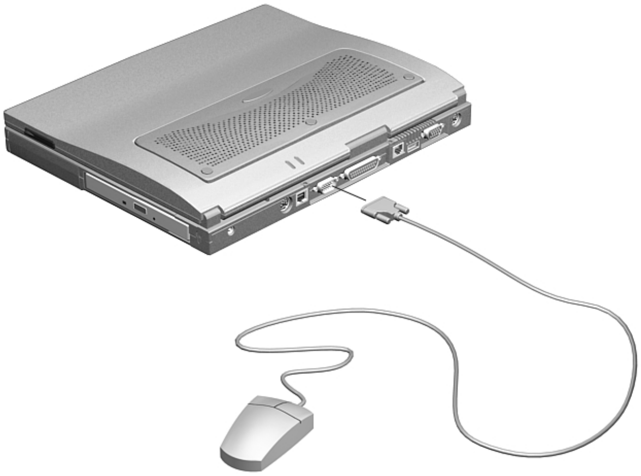
External PS/2 mouse

The built-in touchpad works alternately with an external PS/2 mouse which is hot-pluggable. To use a PS/2-compatible mouse, simply plug it into the PS/2 port.



External serial mouse

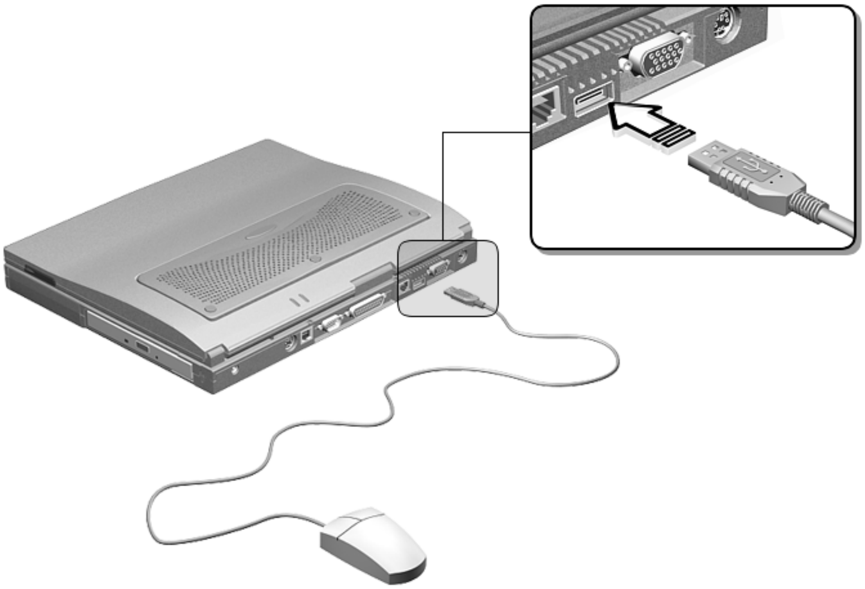
If you use a serial mouse, plug it into the serial port.



To enable the serial mouse, use the Add New Hardware tool in the Windows Control Panel.

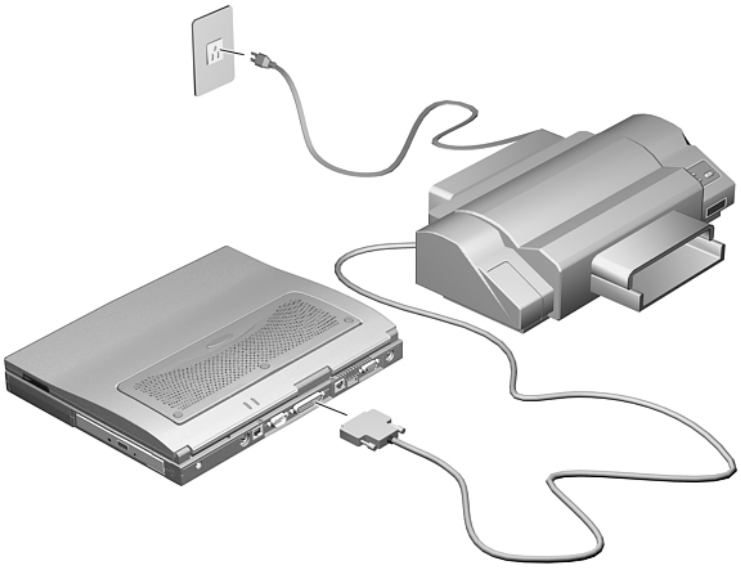
External USB mouse

Plug the USB mouse into the USB port. See See “USB devices” on page 58 for more information.



Printer

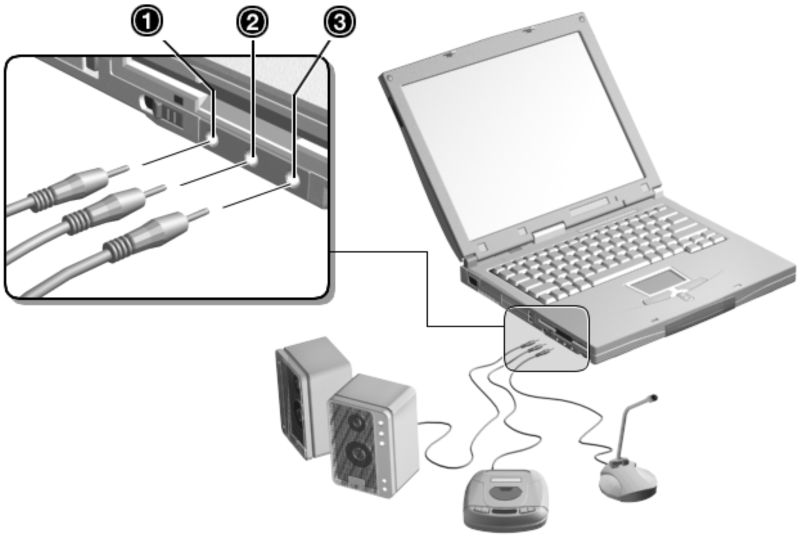
This computer supports both serial and parallel printers. For a serial printer, plug the printer cable into the serial port. For a parallel printer, plug the printer cable into the parallel port. See your printer manual for operating instructions.



Note: If the printer does not function, enter Setup and verify that the parallel port is enabled. See “Onboard Device Configuration” on page 96 for assistance.

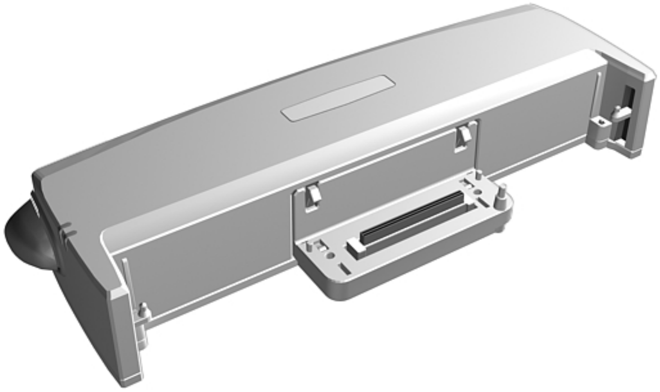
Audio devices

Audio devices are easy to connect with the audio ports accessible from the left of the computer. You can plug an external microphone into the microphone-in jack or an audio line-in device into the audio line-in jack. Amplified speakers or headphones connect to the speaker/headphone-out jack.



Mini docking station

For one-step connection and disconnection from your peripherals, use the optional full-featured mini docking station, the DockMate V. DockMate V includes all the ports on your computer and adds a few more.



With the port replicator, you can easily use external devices, such as an external monitor, a printer, a keyboard, or a mouse, with your computer without having to connect and disconnect your computer to and from each one every time you come and go. You only need to connect these devices to the port replicator, then “dock” your computer to the port replicator to make use of these devices.

Refer to the easy-to-use quick reference and installation guide that comes with the mini docking station option.

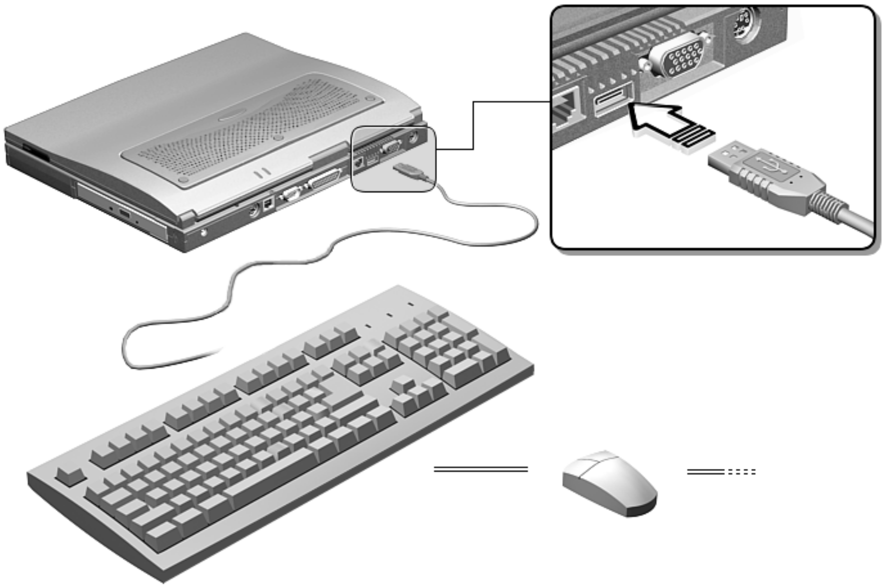
PC cards

The computer has two CardBus PC card slots that can accommodate two type II/I or one type III PC card. Please consult your dealer for PC card options available that you can purchase for your computer.

USB devices

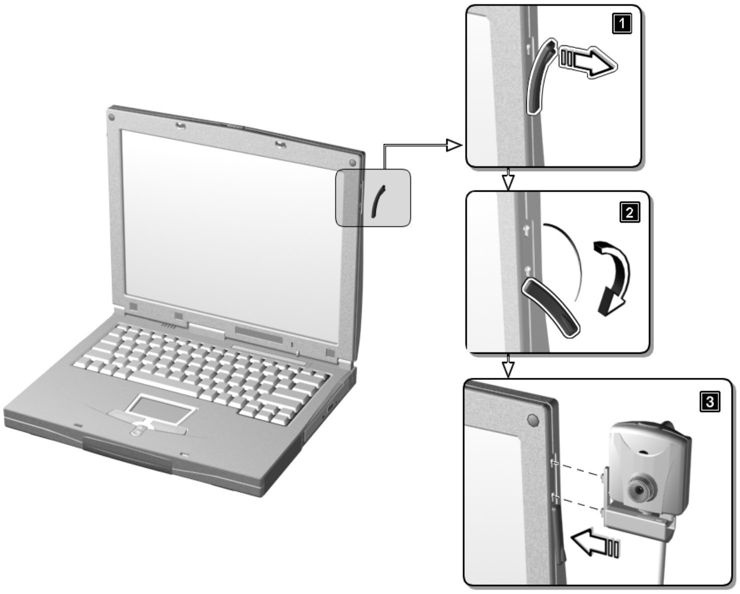
The computer has a USB (Universal Serial Bus) port that allows you to connect peripherals without occupying too many resources. Common USB devices include the mouse and keyboard.

Most USB devices also include a built-in USB port connector which allows you to daisy-chain other USB devices.

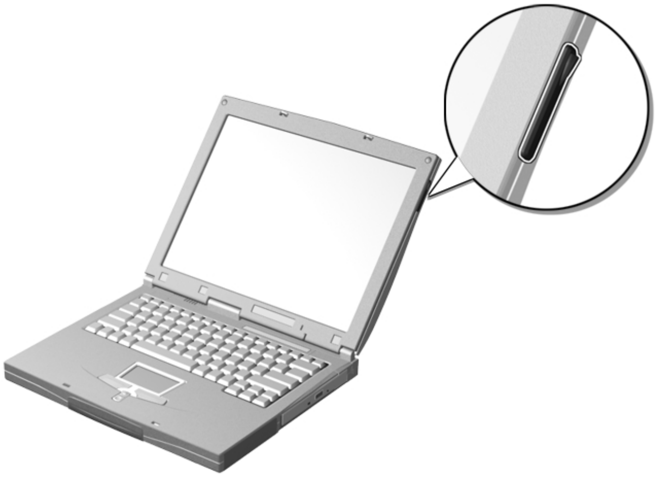


USB video capture kit (optional)

Slots are provided on both sides of the LCD panel for the optional video capture kit. To attach the video camera, open the protective rubber cover from either the right or left side of the LCD panel (1). Rotate it back as shown in the figure (2). Then insert the video camera into the slots (3). Ask your dealer for more detail on the video camera.



Caution: To protect your LCD from damage due to dirt and dust, open the protective rubber cover only when you are going to install the optional video camera.



Miscellaneous options

Additional power packs

You can order an AC adapter and spare batteries.

AC adapter

The compact AC adapter charges your battery pack and supplies power to your computer. You can order a spare AC adapter so you do not need to carry it from the office to your home or destination.

Battery pack

It is a good practice to have a spare battery around, especially when you travel. The Li-Ion battery, coupled with the power management features of your computer, supplies you with more power on-the-go.

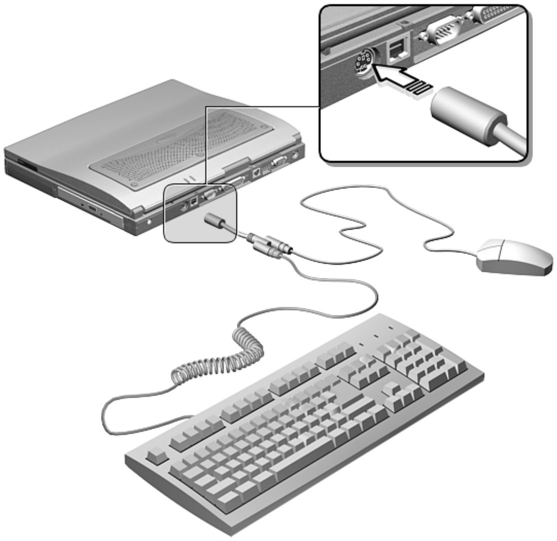
Cables

PS/2 Y-bridge cable

The PS/2 Y-bridge cable allows you to simultaneously connect two PS/2 devices, a mouse and a keyboard, to your computer.

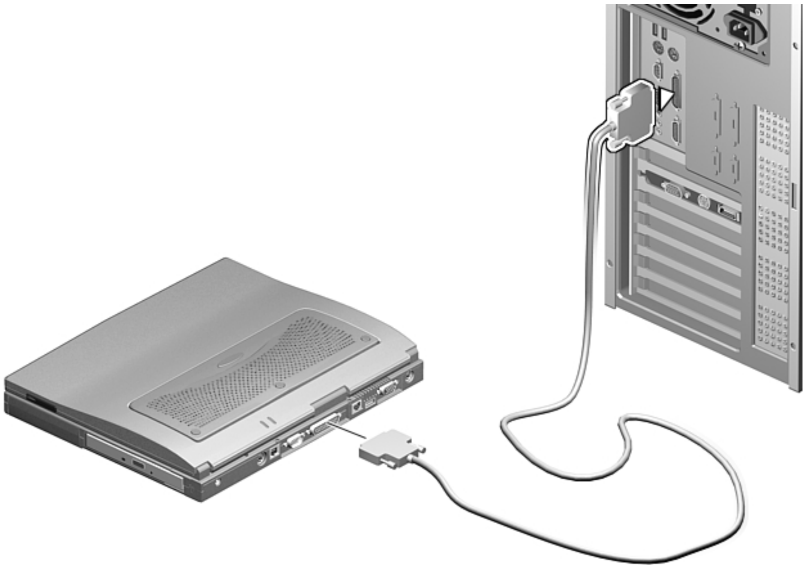
Note: The keyboard must be connected to the connector marked keyboard and the mouse must be connected to the connector marked mouse.

Connect the single connector end of the Y-bridge cable to the computer's PS/2 port and the double connector ends to the two PS/2 devices.



File transfer cable

Besides using the infrared port, you can also transfer files between computers using a file transfer cable. Connect the file transfer cable between the parallel ports of the two computers and use your file transfer utility to perform the transfer.



Key component upgrades

Your computer delivers superior power and performance. However, some users and the applications they use may demand more. This computer allows you to upgrade key components when you need increased performance.

Note: Contact your authorized dealer if you decide to perform a key component upgrade.

Memory upgrade

The notebook computer comes with either 64 MB or 128 MB onboard system memory with one DIMM socket for upgrade use. It supports 32-/64-/128 MB 144-pin, 64-bit Synchronous Dynamic Random Access Memory (SDRAM) soDIMMs (small outline Dual Inline Memory Modules).

Memory configurations

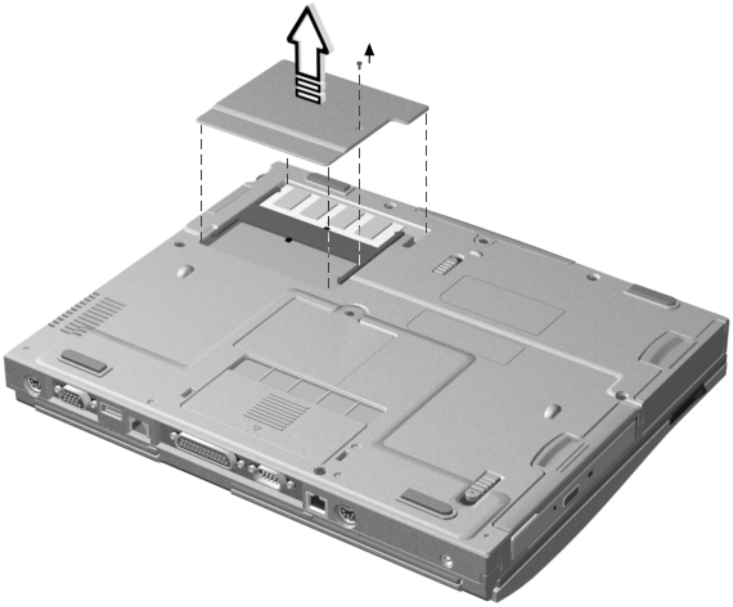
The following table lists the possible memory configurations:

Slot 1	Slot 2	Total Memory
64 MB	0 MB	64 MB
64 MB	32 MB	96 MB
64 MB	64 MB	128 MB
64 MB	128 MB	192 MB
128 MB	0 MB	128 MB
128 MB	32 MB	160 MB
128 MB	64 MB	192 MB
128 MB	128 MB	256 MB

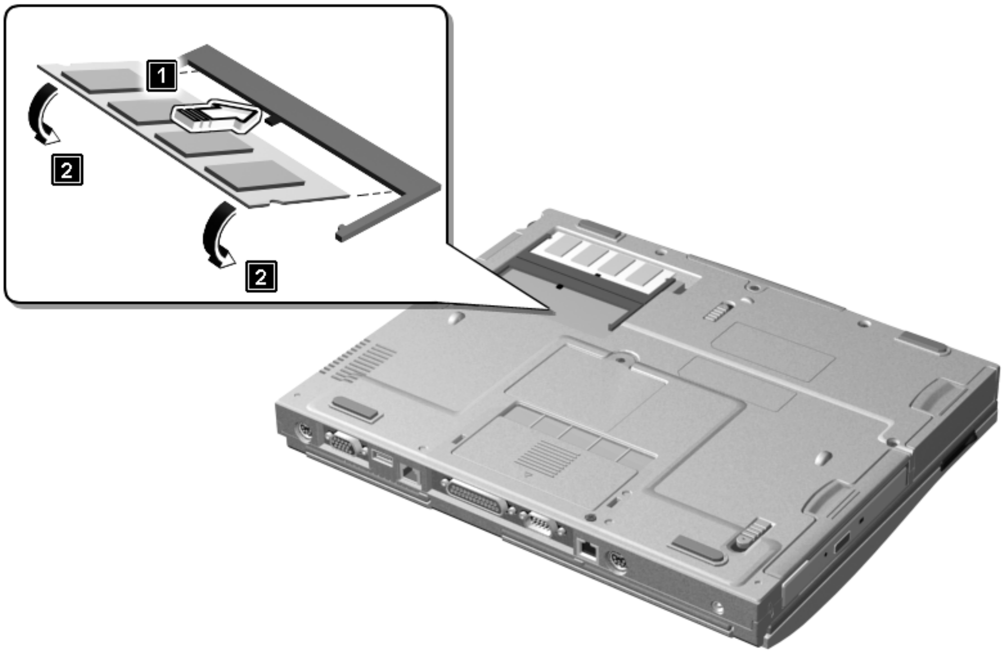
Installing memory

Follow these steps to install memory:

1. Turn off the computer, unplug the AC adapter (if connected) and remove the battery pack. Then turn the computer over to access its base.
2. Remove the screws from the memory door; then lift up and remove the memory door.



3. Insert the memory module diagonally into the slot, then gently press down until it clicks into place.



4. Replace the memory door and secure it with the screws.

The computer automatically detects and reconfigures the total memory size.

Hard disk upgrade

It is possible to upgrade your hard disk with a higher capacity drive when you need more storage space. The computer can use a 9.5mm or a 12.7mm 2.5-inch Enhanced-IDE hard disk. Please consult your dealer if you need to upgrade your hard disk.

4 Moving with your computer

This chapter gives you tips and hints on things to consider when moving around or traveling with your computer.

Disconnecting from the desktop

Follow these steps to disconnect your computer from external accessories:

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Moving around

“when you are just moving within short distances, for example, from your office desk to a meeting room”

Preparing the computer

Before moving the computer, close and latch the display cover to place it in Standby mode. You can now safely take the computer anywhere you go within the building. To bring the computer out of Standby mode, open the display.

If you are taking the computer to a client’s office or a different building, you may choose to shut down the computer:

1. Click on **Start**, **Shut Down...**.
2. Select Shut down and click on **OK**.

- or -

you can put the computer in Sleep mode by pressing **Fn-F4**. Then close and latch the display.

When you are ready to use the computer again, unlatch and open the display, and press any key. If the power indicator is off, the computer has entered Hibernation mode and turned off. Slide and release the power switch to turn the computer back on. Note that the computer may enter Hibernation mode after a period of time it is in Sleep mode. Turn the power on to wake the computer from Hibernation mode.

What to bring to short meetings

A fully charged battery runs the computer for 3-4 hours under most circumstances. If your meeting is shorter than that, you probably do not need to bring anything with you other than the computer.

What to bring to long meetings

If your meeting will last longer than 4 hours or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, reduce the drain on the battery by putting the computer in Standby mode. Press **Fn-F4** or close the display cover whenever you are not actively using the computer. Then tap any key or open the display to resume.

Taking the computer home

“when you are moving from your office to your home or vice versa”

Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home:

1. Remove all media (floppy disks, CDs, etc.) from the drives. Failure to remove the media can damage the drive head.
2. Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.

Caution: Avoid packing items next to the top cover of the computer. Pressure against the top cover could damage the screen.

What to bring with you

Unless you already have some items at home, bring the following items with you:

- AC adapter and power cord
- The printed user’s manual

Special considerations

Follow these guidelines to protect your computer while traveling to and from work:

- Minimize the effect of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot bring the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.
- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 18°F (10°C), allow the computer to come to room temperature slowly. If possible, leave the computer for 30

minutes in an environment with a temperature between outside and room temperature.

Setting up a home office

If you frequently work on your computer at home, it may be worthwhile to purchase a second AC adapter for use at home. With a second AC adapter, you can avoid transporting the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add an external keyboard, monitor, or mouse.

You can also purchase the optional Mini docking station for one-step connection and disconnection from your peripherals. See “Mini docking station” on page 56 for more detail.

Traveling with the computer

“when you are moving within a larger distance, for instance, from your office building to a client’s office building or traveling locally”

Preparing the computer

Prepare the computer as if you were taking it home. Be sure the battery in the computer is charged. Airport security may require you to turn on your computer when bringing it into the gate area.

What to bring with you

Bring the following items with you:

- AC adapter
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer

Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling:

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. The computer can safely pass through security X-ray machines, but **never expose the computer to a metal detector**.
- **Avoid exposing floppy disks to hand-held metal detectors**.

Traveling internationally with the computer

“when you are moving from country to country”

Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

What to bring with you

Bring the following items with you:

- AC adapter
- Power cords that are appropriate to the country to which you are traveling
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer
- Proof of purchase, in case you need to show it to customs officials
- International Traveler’s Warranty passport

Special considerations

Follow the same special considerations as when traveling with the computer. In addition, these tips are useful when traveling internationally:

- When traveling in another country, check that the local AC voltage and the AC adapter power cord specifications are compatible. If not, purchase a power cord that is compatible with the local AC voltage (e.g., power rating). Do not use converter kits sold for appliances to power the computer.
- If you are using the modem, check if the modem and connector is compatible with the telecom system of the country you are traveling in.

5 Software

This chapter discusses the important system utilities bundled with your computer.

System software

The computer comes preloaded with the following software:

- Windows 98 or Windows NT operating system
- Hardware BIOS setup utility
- Support for LDCM (LANDesk Client Manager)
- System utilities, drivers and application software

Note: To access Windows software applications, click on the Start button and select the application folder. Then click on the application icon to run the selected application. To learn about the software and utility, make use of the online help provided by the software.

Your computer is also compliant with the following:

- DMI (Desktop Management Interface) 2.1
- WfM (Wired for Management) 2.0

Sleep Manager

Most notebook computers feature built-in power-saving functions. This computer has two power management modes, Standby and Hibernation.

While Standby puts your computer into a light sleep state, Hibernation shuts off all power after saving the current state of your computer. The next time you slide the power switch, the computer resumes from where you left off.

Sleep Manager allows your computer to perform these power-saving functions.

Note: See “Power management” on page 40 to understand how your computer saves and manages power.

Sleep Manager is a utility that works with your computer’s BIOS and Windows ACPI (Advanced Configuration and Power Interface) to manage the Hibernation operation. This includes:

- creating the Hibernation file which contains the current state of the computer
- checking if the Hibernation file is valid
- saving and loading the contents of the Hibernation file when entering into and resuming from Hibernation mode

The Hibernation file resides in a contiguous area on your hard disk.

Sleep Manager can automatically create, recover, and reallocate space for the Hibernation file. If the system memory size changes or the Hibernation file on the hard disk is corrupted, Sleep Manager reallocates the hard disk space for you automatically.

Accessing Sleep Manager

There are two ways to bring up Sleep Manager:

- On the taskbar

  The computer automatically loads Sleep Manager every time you start Windows. Sleep Manager resides in the background and the Sleep Manager status icon appears on the taskbar.

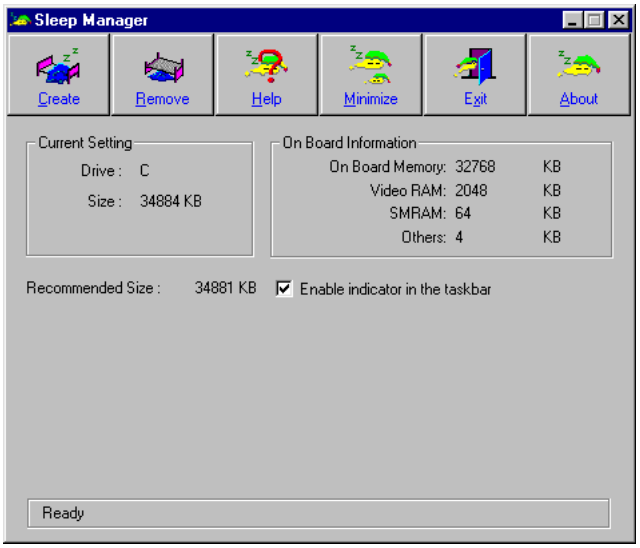
Double-click on the Sleep Manager status icon ( ), if enabled, to bring up the main Sleep Manager program.

The Sleep Manager icon may or may not appear on the taskbar. A checkbox in the Sleep Manager main screen determines whether to enable or disable the icon on the taskbar.

This icon shows the current status of the Hibernation feature. The icon changes to tell you if the feature is valid or not. Resting your cursor on the icon also shows the status.

- Start menu
  1. (1) Click on the **Start** button.
  2. (2) Select **Programs**.
  3. (3) Select **Sleep Manager**.
  4. (4) Select the **Sleep Manager** program.

Sleep Manager displays the screen below:



Current Setting
Drive : C
Size : 34884 KB

On Board Information
On Board Memory: 32768 KB
Video RAM: 2048 KB
SMRAM: 64 KB
Others: 4 KB

Recommended Size : 34881 KB

☑ Enable indicator in the taskbar

Ready

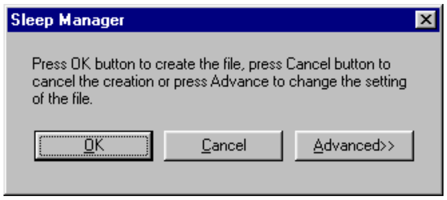
Item	Description
Buttons	Click to access the Sleep Manager functions
Current Setting	Displays the drive and size of the current reserved space created by Sleep Manager.

Item	Description
On Board Information	Displays the different areas of system memory and their respective sizes. These system resources need to be stored before the computer can enter Hibernation mode, so that the computer can resume successfully. These resources include:· On Board Memory (DRAM or dynamic memory), Video RAM (VRAM or video memory), SMRAM (static memory), and Others.
Recommended Size	Displays the minimum size of the contiguous space you need for the Hibernation feature. The actual size may be a little bit more due to file system alignment.
Enable indicator in the taskbar	When this checkbox is checked, the Sleep Manager status appears on the taskbar. Double-click on the Sleep Manager status icon on the taskbar to bring up the main program, or simply rest your cursor on the icon to display the current status.

Sleep Manager functions

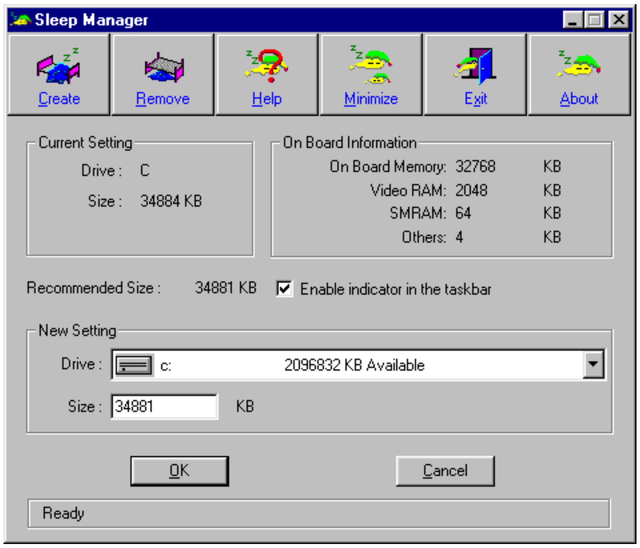
Create

Sleep Manager automatically finds a contiguous area on your hard disk and creates the Hibernation file in this space. You can also perform this function by clicking on the **Create** button. When you click on the **Create** button, a dialog box pops up:



Press OK button to create the file, press Cancel button to cancel the creation or press Advance to change the setting of the file.

Click on **OK** to automatically create the Hibernation file. Sleep Manager displays the recommended size based on onboard system information. You can also choose **Advanced>>** to manually set the space settings and size. The advanced screen shown below appears.



Current Setting
Drive : C
Size : 34884 KB

On Board Information
On Board Memory: 32768 KB
Video RAM: 2048 KB
SMRAM: 64 KB
Others: 4 KB

Recommended Size : 34881 KB
☑ Enable indicator in the taskbar

New Setting
Drive : c: 2096832 KB Available
Size : 34881 KB

Ready

Sleep Manager automatically checks the system configuration and displays the recommended size. The drive where the space will be created is defined by the system and will be the first available logical drive which has the requested contiguous free disk space on it. The recommended size is the minimum size needed to save the current system status.

If the program cannot find the required space on the hard disk during the space creation process, it shows a message box to inform the user.

Another factor that can cause errors is when disk compression utilities are used. Sleep Manager can work with most compression software. However, Sleep Manager can only create the space on a host drive. A host drive stores original file information and cannot be compressed. The free space on the host drive is usually very small, so the compression software needs to be run again to enlarge the size of the host (uncompressed) drive for Sleep Manager.

Remove

If you want to use or take back the reserved space, click on the **Remove** button. This will disable the Hibernation feature. Instead, the computer will only be able to enter Standby mode.

Minimize

Minimize Sleep Manager by clicking on the **Minimize** button. If the Enable indicator in the taskbar box is checked, Sleep Manager will switch to the background by locating itself on the taskbar. You can pop up Sleep Manager again by double-clicking on this icon.

Exit

Exit Sleep Manager by selecting the **Exit** button. Sleep Manager will quit and disable the capability of auto-adjusting the reserved space size. Exiting Sleep Manager is **NOT** recommended.

Caution: Do not deactivate (remove or exit) or uninstall Sleep Manager. Do not remove or delete the Hibernation file. Hibernation will not work without Sleep Manager and the Hibernation file.

Notebook Manager

The computer has a built-in system setup program called Notebook Manager. The Windows-based Notebook Manager allows you to set passwords, the startup sequence of the drives, and power management settings. It also shows current hardware configurations.

Note: Certain hotkey functions are disabled when you access Notebook Manager because those functions are also found in Notebook Manager.

To start Notebook Manager, press **Fn-F2** or follow these steps:

1. Click on **Start**, **Programs**, then **Notebook Manager**.
2. Select the **Notebook Manager** application to run the program.

Note: Changes made to most settings in Notebook Manager take effect the next time the computer restarts. If you make changes in the Power Management and Display Device screens, these changes take effect immediately.

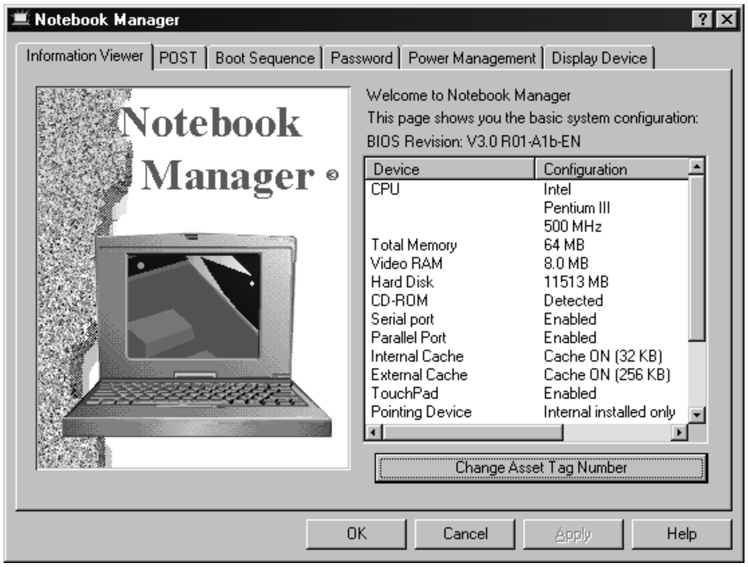
Notebook Manager consists of six sections:

- Information Viewer
- POST
- Boot Sequence
- Password
- Power Management
- Display Device

To select a section, click on the tab of the section you want to view.

Information Viewer

Information Viewer summarizes and lists information about the specifications and settings of the different components of your computer.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
Notebook Manager
Change Asset Tag Number
OK
Cancel
Apply
Help

Welcome to Notebook Manager
This page shows you the basic system configuration:
BIOS Revision: V3.0 R01-A1b-EN

Device	Configuration
CPU	Intel Pentium III 500 MHz
Total Memory	64 MB
Video RAM	8.0 MB
Hard Disk	11513 MB
CD-ROM	Detected
Serial port	Enabled
Parallel Port	Enabled
Internal Cache	Cache ON (32 KB)
External Cache	Cache ON (256 KB)
TouchPad	Enabled
Pointing Device	Internal installed only

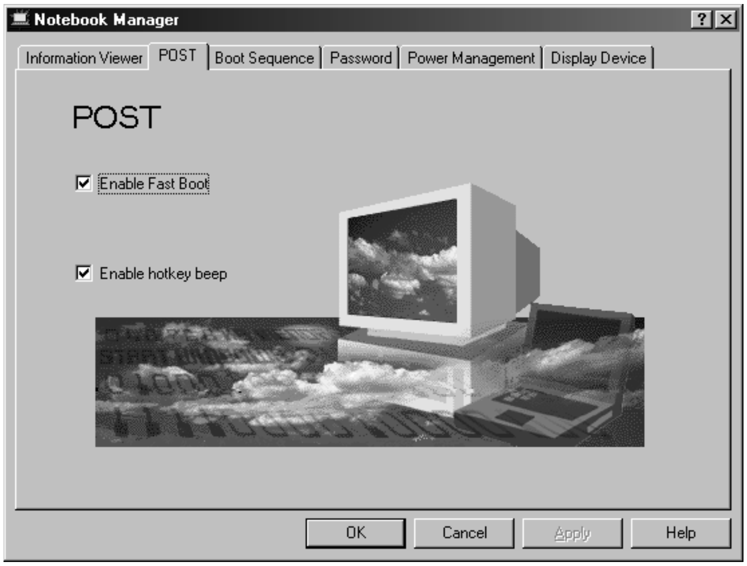
Note: Items in this table may differ slightly from those on the screen.

Item	Description
CPU	Brand, type and clock speed of the CPU (Central Processing Unit)
Total Memory	Total amount of main memory (in megabytes)
Video RAM	Total amount of video memory (in megabytes)
Hard Disk	Size of hard disk (in megabytes)
CD-ROM or DVD-ROM	Detects presence of the CD-ROM or DVD-ROM drive
Serial port	Resource settings of the serial port
Infrared port	Detects the presence and setting of the infrared port
Parallel port	Resource settings of the parallel port

Item	Description
Internal Cache	Detects presence and total amount of internal cache memory (in kilobytes)
External Cache	Detects presence and total amount of external cache memory (in kilobytes)
TouchPad	Detects the presence and setting of the internal pointing device
Pointing Device	Type(s) of the pointing device(s) detected, internal and external

POST

POST (power-on self-test) defines how the computer behaves when starting up.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
POST
OK
Cancel
Apply
Help

☑ Enable Fast Boot

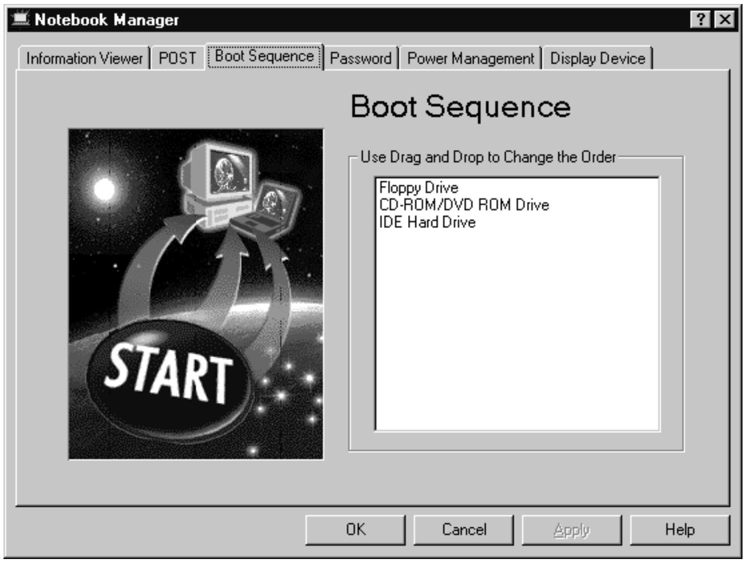
☑ Enable hotkey beep

Item	Description
Enable Fast Boot	The Fast Boot feature allows your computer to boot up and resume from Hibernation mode faster. The operating system and the BIOS communicates information about Plug-and-Play resources and previous boot-ups.

Item	Description
Enable hotkey beep	Select to allow the computer to give off beeps when a hotkey is pressed.

Boot Sequence

Boot Sequence defines the boot sequence to follow when your computer boots up.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
START
OK
Cancel
Apply
Help

Boot Sequence

Use Drag and Drop to Change the Order

Floppy Drive
CD-ROM/DVD ROM Drive
IDE Hard Drive

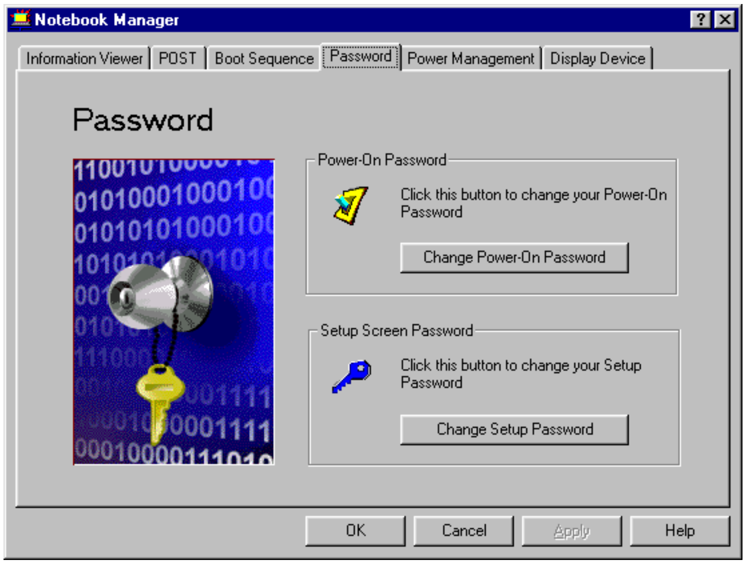
This screen allows you to use Drag and Drop to Change the Order to set the boot sequence of your computer. Options include:

- Floppy Drive. The computer searches for a bootable diskette in the floppy drive. If no bootable diskette is found, the computer boots from the hard disk.
- CD-ROM/DVD-ROM Drive. The computer searches for a bootable CD-ROM in the CD-ROM or DVD-ROM drive and boots from there. If no bootable CD is present, the computer boots from the hard disk.
- IDE Hard Drive. The computer boots directly from the hard disk.

Make your selection and click on **Apply** to activate the setting.

Password

Password is used to set, modify or delete password(s) for your computer.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
Password
Power-On Password
Click this button to change your Power-On Password
Change Power-On Password
Setup Screen Password
Click this button to change your Setup Password
Change Setup Password
OK
Cancel
Apply
Help

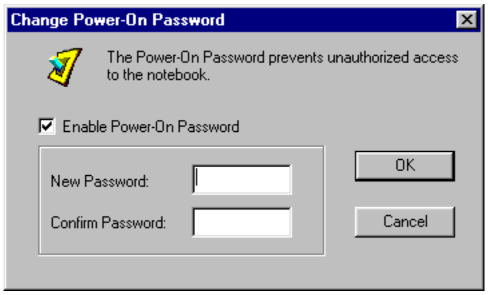
The following two passwords can provide 2 levels of security for the system:

- Power-On Password. The Power-On Password prevents unauthorized access to the computer during system startup and at resume from Standby or Hibernation modes.
- Setup Password. The Setup Password prevents unauthorized access to the computer's BIOS Utility.

Setting the Power-On Password

To set the Power-On Password, follow these steps:

1. Click on the Change Power-On Password button. The following dialog box displays:


Change Power-On Password
☑ Enable Power-On Password
New Password:
Confirm Password:
OK
Cancel

The Power-On Password prevents unauthorized access to the notebook.

2. Click on the Enable Power-On Password checkbox.

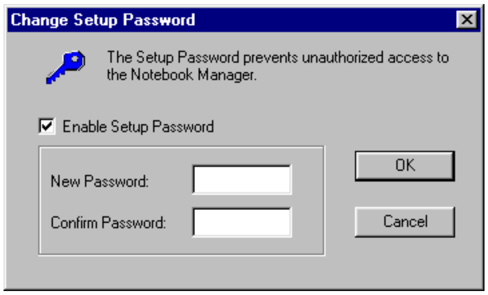
3. Click in the New Password textbox and type in up to seven alphanumeric characters (A-Z, a-z, 0-9) which you want to be your Power-On Password.
4. Click in the Confirm Password textbox and retype the password.
5. Click on **OK** to accept the setting.

Note: To change a password, follow the same steps used to set a password. To remove a password, follow the same steps used to set a password but leave both fields blank.

Setting the Setup Password

To set the Setup Password, follow these steps:

1. Click on the Change Setup Password button to display the following dialog box:



Change Setup Password

The Setup Password prevents unauthorized access to the Notebook Manager.

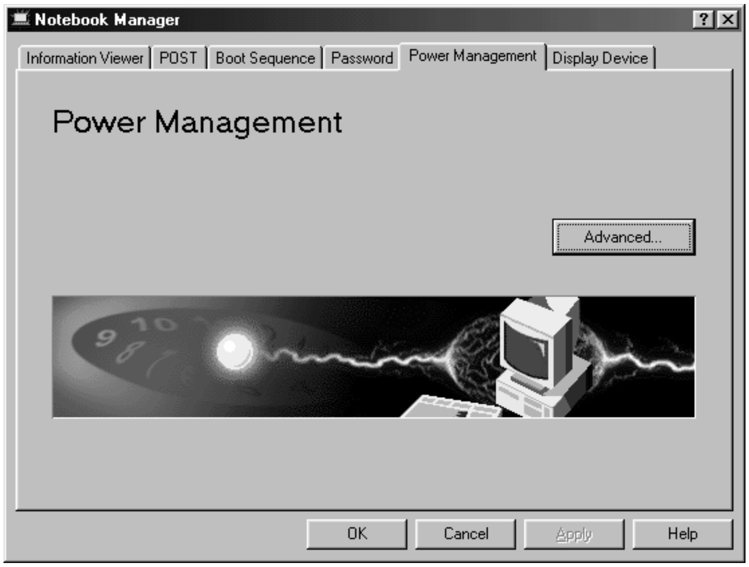
☑ Enable Setup Password

2. Click on the Enable Setup Password checkbox.
3. Click in the New Password textbox and type in up to seven alphanumeric characters (A-Z, a-z, 0-9) which you want to be your Setup Password.
4. Click in the Confirm Password textbox and retype the password.
5. Click on **OK** to accept the setting.

Note: To change a password, follow the same steps used to set a password. To remove a password, follow the same steps used to set a password but leave both fields blank.

Power Management

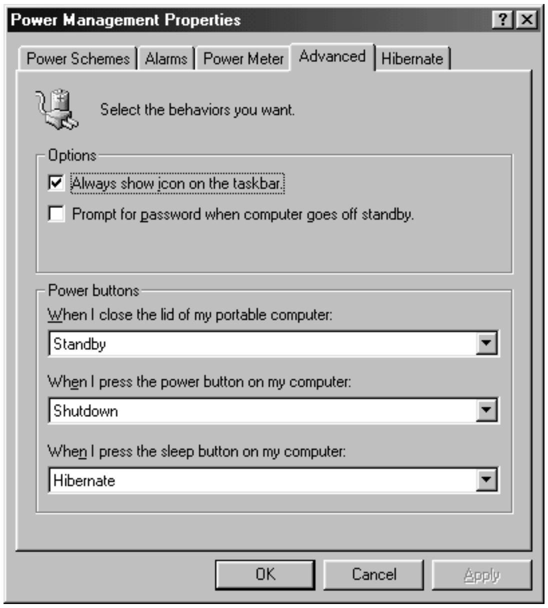
Power Management is used to set various settings related to power management.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
Power Management
Advanced...
9
10
8
OK
Cancel
Apply
Help

Setting advanced features in power management

To set advanced features, do the following:

1. Click on the **Advanced...** button.


Power Management Properties
Power Schemes
Alarms
Power Meter
Advanced
Hibernate
OK
Cancel
Apply

Select the behaviors you want.

Options

☑ Always show icon on the taskbar.

☐ Prompt for password when computer goes off standby.

Power buttons

When I close the lid of my portable computer: Standby

When I press the power button on my computer: Shutdown

When I press the sleep button on my computer: Hibernate

2. Set the advanced features in the **Advanced** tab.

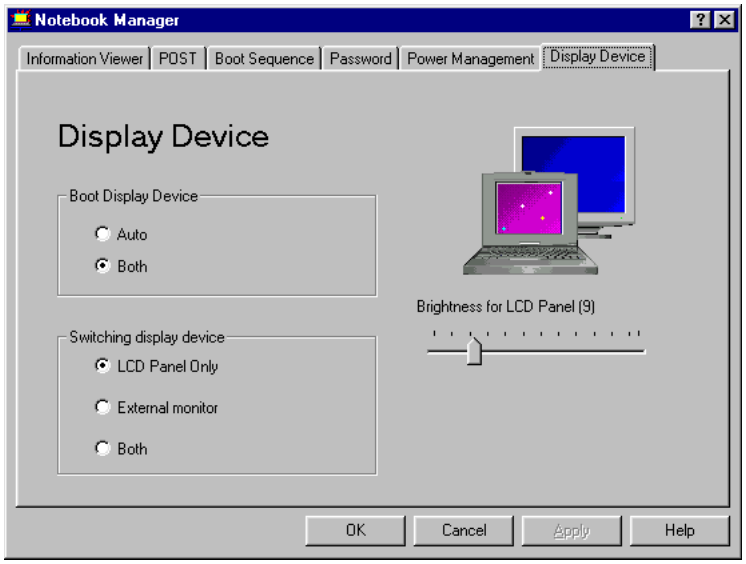
   The settings in this screen determine how the computer behaves when you (a) close the display, (b) press the power switch, and (c) press the Sleep button Fn-F4. Options include the following:

- Standby - the computer enters Standby mode
- Hibernate - the computer enters Hibernation mode
- Shutdown - the computer closes all programs and shuts down

3. Click on **OK**.

Display Device

Display Device is used to control various settings related to the display device(s), such as the display brightness/contrast levels.


Notebook Manager
Information Viewer
POST
Boot Sequence
Password
Power Management
Display Device
OK
Cancel
Apply
Help

Display Device

Boot Display Device
○ Auto
● Both

Switching display device
● LCD Panel Only
○ External monitor
○ Both

Brightness for LCD Panel (9)

The items in this screen include:

- Boot Display Device. Sets the default display device on boot-up.
- Switching display device. Sets the current display device.

Note: Make sure an external monitor is connected before External monitor is selected.

- Brightness for LCD Panel. Click and drag to set the LCD screen brightness and contrast levels

Note: TFT active-matrix LCDs have fixed and optimized contrast levels.

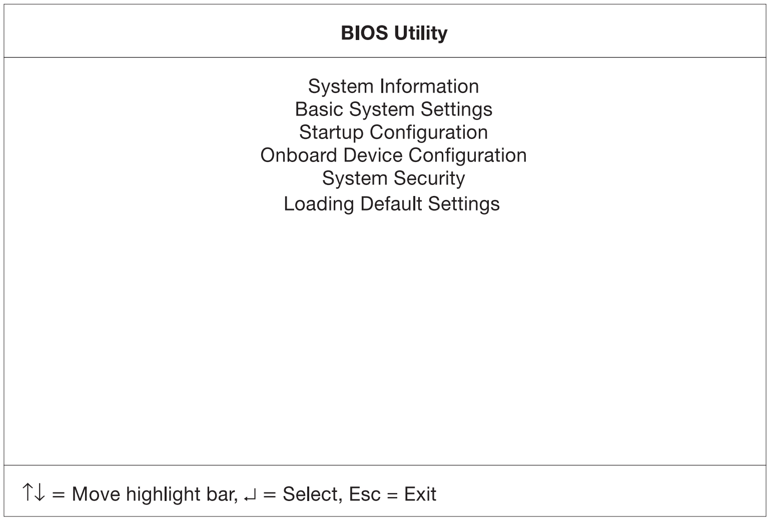
Click on the radio button of the desired item, then click on **Apply** to activate the setting. To modify the brightness and/or contrast levels, click and hold the slider control and move to the right to increase or move to the left to decrease the setting. You can also click on the item and use the cursor keys to set the desired level.

BIOS Utility

The BIOS Utility is a hardware configuration program built into your computer's BIOS (basic input/ouput system).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run it. Please also refer to Chapter 6, Troubleshooting when a problem arises.

To activate the BIOS Utility, press **F2** during POST while the TravelMate logo is being displayed.


BIOS Utility
System Information
Basic System Settings
Startup Configuration
Onboard Device Configuration
System Security
Loading Default Settings
↑↓ = Move highlight bar, ↵ = Select, Esc = Exit

Navigating the BIOS Utility

There are six menu options: System Information, Basic System Settings, Startup Configuration, Onboard Device Configuration, System Security and Load Default Settings.

To enter a menu, highlight the item using the ↑↓ keys; then press **Enter**.

Within a menu, navigate through the BIOS Utility by following these instructions:

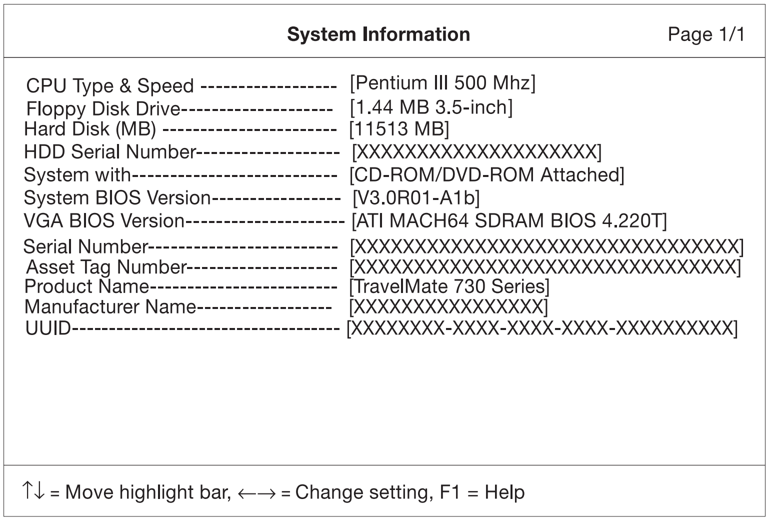
- Press the cursor up/down keys (↑↓) to move between parameters.
- Press the cursor left/right keys (→←) to change the value of a parameter.
- Press **Esc** while you are in any of the menu options to return to the main menu.

Note: You can change the value of a parameter if it is enclosed in square brackets.

Note: Navigation keys for a particular menu are shown on the bottom of the screen.

System Information

The System Information screen displays a summary of your computer hardware information.



```
                         System Information                    Page 1/1

 CPU Type & Speed ------------------  [Pentium III 500 Mhz]
 Floppy Disk Drive-------------------  [1.44 MB 3.5-inch]
 Hard Disk (MB) ----------------------  [11513 MB]
 HDD Serial Number-------------------  [XXXXXXXXXXXXXXXXXXXX]
 System with--------------------------  [CD-ROM/DVD-ROM Attached]
 System BIOS Version-----------------  [V3.0R01-A1b]
 VGA BIOS Version-------------------- [ATI MACH64 SDRAM BIOS 4.220T]
 Serial Number------------------------  [XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX]
 Asset Tag Number--------------------  [XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX]
 Product Name-------------------------  [TravelMate 730 Series]
 Manufacturer Name------------------   [XXXXXXXXXXXXXXXX]
 UUID----------------------------------- [XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXX]

 ↑↓ = Move highlight bar, ←→ = Change setting, F1 = Help
```

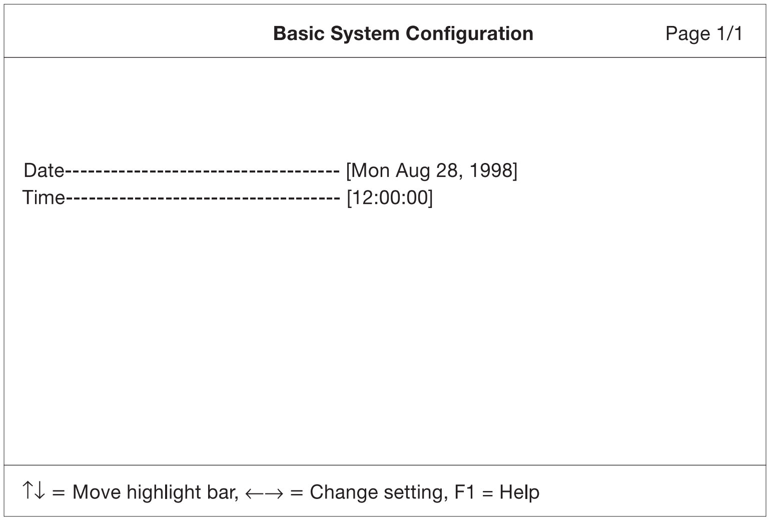
The table below describes the parameters in this screen.

Parameter	Description
CPU	Describes the type of CPU installed in the system.
Floppy Disk Drive	Shows the floppy disk drive type (1.44MB 3.5-inch).
Hard Disk (MB)	Shows the hard disk capacity in megabytes.
HDD Serial Number	Shows the hard disk drive serial number.
System with	Shows the high-capacity disc drive installed.
System BIOS Version	Shows the system BIOS version.

Parameter	Description
VGA BIOS Version	Shows the video graphics accelerator BIOS version.
Serial Number	Shows the serial number of the system.
Asset Tag Number	Shows the asset tag number.
Product Name	Shows the official name of the product.
Manufacturer Name	Shows the name of the manufacturer.
UUID	Shows the universally unique identifier number.

Basic System Configuration

The Basic System Configuration screen contains parameters involving basic computer settings like date and time.



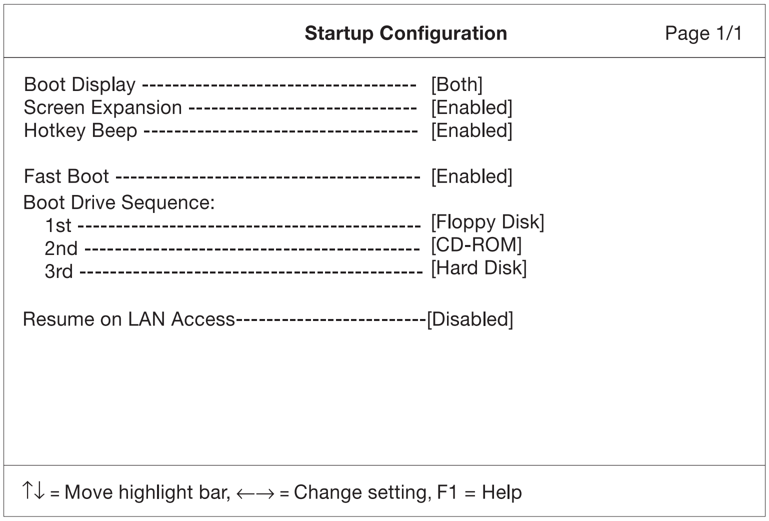
```
                    Basic System Configuration          Page 1/1

Date------------------------------------ [Mon Aug 28, 1998]
Time------------------------------------ [12:00:00]

↑↓ = Move highlight bar, ←→ = Change setting, F1 = Help
```

The table below describes the parameters in the screen.

Parameter	Description
Date	Sets the system date. Format: DDD MMM DD YYYY (day-of-the-week month day year)
Time	Sets the system time. Format: HH:MM:SS (hour:minute:second)

Startup Configuration

The Startup Configuration screen contains parameters that are related to computer startup.



```
                      Startup Configuration                    Page 1/1

Boot Display -----------------------------------  [Both]
Screen Expansion -----------------------------  [Enabled]
Hotkey Beep -----------------------------------  [Enabled]

Fast Boot ---------------------------------------  [Enabled]
Boot Drive Sequence:
   1st --------------------------------------------  [Floppy Disk]
   2nd -------------------------------------------  [CD-ROM]
   3rd -------------------------------------------  [Hard Disk]

Resume on LAN Access------------------------[Disabled]

↑↓ = Move highlight bar, ←→ = Change setting, F1 = Help
```

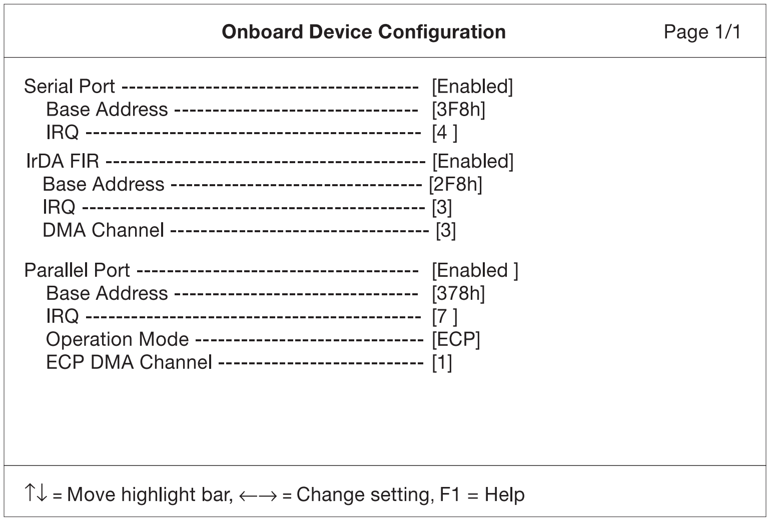
The table below describes the parameters in this screen. Settings in boldface are the default and suggested parameter settings.

Parameter	Description
Boot Display	Sets the display on boot-up. When set to Auto, the computer automatically determines the display device. If an external display device (e.g., monitor) is connected, it becomes the boot display; otherwise, the computer LCD is the boot display. When set to Both, the computer outputs to both the computer LCD and an external display device if one is connected. Options: **Auto** or Both
Screen Expansion	When set to enabled, the screen will automatically adjust the display to fit the screen when the resolution is 640 X 480. Options: **Enabled** or Disabled
Hotkey Beep	When enabled, the computer gives off a beep when a hotkey (key combination) is pressed. See “Hotkeys” on page 13 for details on hotkeys. Options: **Enabled** or Disabled

Parameter	Description
Fast Boot	Fast Boot allows your computer to boot up and resume from Sleep mode (including Standby and Hibernation modes) faster. When enabled, the operation system and BIOS communicate information about Plug-and-Play resources and previous boot-ups. Options: **Enabled** or Disabled
Boot Drive Sequence	Allows you to set the sequence wherein the computer will boot 1st, 2nd, and so on. Below are possible boot devices.
Boot from CD-ROM	Enables boot-up from the CD-ROM drive, if selected as the first option. The computer attempts to boot from the CD-ROM drive (looks for a bootable CD-ROM) before following the boot sequence specified in the Boot Drive Sequence.
Floppy	Enables boot-up from the floppy disk drive, if selected as the first option. The computer attempts to boot from the floppy disk drive (look for a bootable floppy) before following the boot sequence specified in the Boot Drive Sequence.
Hard Disk	Enables boot-up from the hard disk drive.
Resume on LAN Access	Resume activity upon access from LAN Options: **Disabled** or Enabled

Onboard Device Configuration

The Onboard Device Configuration screen contains parameter settings for your hardware connection devices.



```
                 Onboard Device Configuration                Page 1/1

Serial Port ---------------------------------------  [Enabled]
   Base Address --------------------------------  [3F8h]
   IRQ -------------------------------------------  [4 ]
IrDA FIR ----------------------------------------- [Enabled]
   Base Address --------------------------------- [2F8h]
   IRQ -------------------------------------------- [3]
   DMA Channel ---------------------------------- [3]

Parallel Port ------------------------------------  [Enabled ]
   Base Address --------------------------------  [378h]
   IRQ -------------------------------------------  [7 ]
   Operation Mode ------------------------------ [ECP]
   ECP DMA Channel --------------------------- [1]

↑↓ = Move highlight bar, ←→ = Change setting, F1 = Help
```

Caution: The parameters in this screen are for advanced users only. You do not need to change the values in this screen because these values are already optimized.

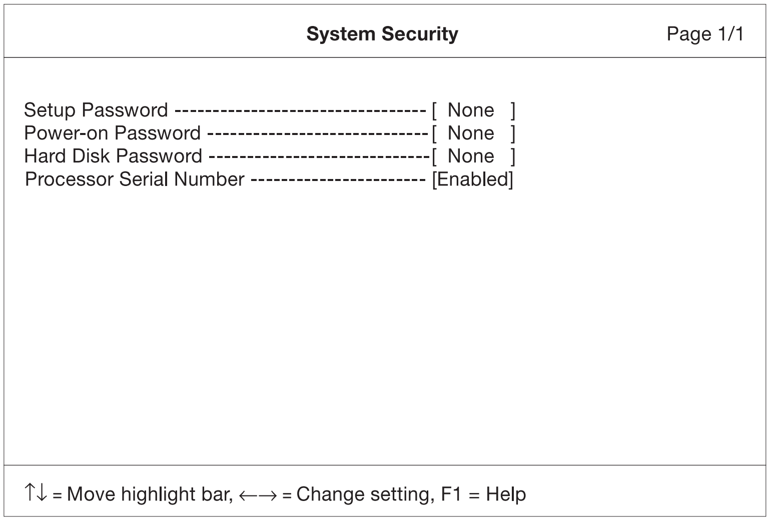
The table below describes the parameters in this screen. Settings in boldface are the default and suggested parameter settings.

Parameter	Description
Serial Port	Enables or disables the serial port. Options: **Enabled** or Disabled
Base Address	Sets the I/O address of the serial port. Options: **3F8h**, 2F8h, 3E8h or 2E8h
IRQ	Sets the interrupt request of the serial port. Options: **4** or 11
Infrared Port	Enables or disables the infrared port. Options: **Disabled** or Enabled
Base Address	Sets the I/O address of the infrared port. Options: **2F8h**, 3F8h, 3E8h or 2E8h
IRQ	Sets the interrupt request of the infrared port. Options: **3** or 10
DMA Channel	Sets a DMA channel for the infrared port. Options: **3** or 1
Parallel Port	Enables or disables the parallel port. Options: **Enabled** or Disabled
Base Address	Sets the I/O address of the parallel port. Options: **378h**, 278h or 3BCh
IRQ	Sets the interrupt request of the parallel port. Options: **7** or 5
Operation Mode	Sets the operation mode of the parallel port. Options: **ECP**, EPP, Bidirectional or Standard

Parameter	Description
ECP DMA Channel	Sets a DMA channel for the printer to operate in ECP mode. This parameter is enabled only if Operation Mode is set to ECP. Options: **1** or 3

System Security

The System Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



```
                      System Security                    Page 1/1

Setup Password --------------------------------- [  None   ]
Power-on Password -----------------------------[  None   ]
Hard Disk Password -----------------------------[  None   ]
Processor Serial Number ---------------------- [Enabled]

↑↓ = Move highlight bar, ←→ = Change setting, F1 = Help
```

The table below describes the parameters in this screen. Settings in boldface are the default and suggested parameter settings.

Parameter	Description
Setup Password	When set, this password protects the BIOS Utility from unauthorized entry. Options: **None** or Present
Power-on Password	When set, this password protects the computer from unauthorized entry during boot-up or resume from Standby or Hibernation mode. Options: **None** or Present

Parameter	Description
Hard Disk Password	When set, this password prevents the internal hard disk from unauthorized access. It consists of 8 alphanumeric characters. Options: **None** or Present
Processor Serial Number	The Pentium III processor includes a unique serial number which allows individual CPUs to be identified. You can turn off this feature by setting this parameter to Disabled. Options: **Enabled** or Disabled

Important: Don't forget your password! If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a password

Follow these steps:

1. Use the ↑ and ↓ keys to highlight a password parameter (Setup, Power-on, or Hard Disk) and press the **Enter** key. The password box appears:

2. Type a password. The password may consist of up to eight alphanumeric characters (A-Z, a-z, 0-9).

Important: Be very careful when typing your password because the characters do not appear on the screen.

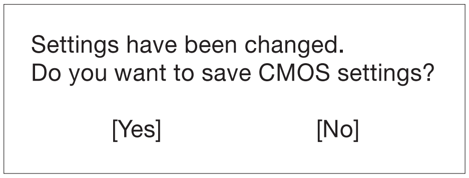
3. Press **Enter**. The retype password box appears.

4. Retype the password to verify your first entry and press **Enter**.

   After setting the password, the computer automatically sets the chosen password parameter to Present.

5. Press **Esc** to return to the main menu.

6. Press **Esc**. The following dialog box appears.



Settings have been changed.
Do you want to save CMOS settings?

7. Select **Yes** and press **Enter** to save the password and exit the BIOS Utility.

Changing a password

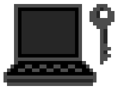
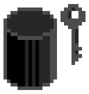
To change a password, follow the same steps used to set a password.

Removing a password

To remove a password, use the ↑ and ↓ keys to highlight a password parameter and press the “Enter” key as the first character.

Entering a password

When a password is set, password icons appear on the screen and prompt you to input the correct password. See the table below for a description of these icons.

Parameters	Description
Power-on Password icon 	When set to present, prompts the user to input the correct password for the system to continue. It appears after the TravelMate logo.
Hard Disk Password icon 	When set to present, prompts the user to input the correct password for the hard disk to operate. It appears after the Power-on Password icon.
Password character icon ●	When typing the characters of the password, the screen displays this icon for each character instead of the actual password character.

Parameters	Description
Wrong password icon ☒	If the wrong password is entered, this icon will be displayed beside the wrong password.
Successful password entry icon ✌☑	If the password is correctly entered, this icon will be displayed beside the correctly entered password.
Password failure icon ✋☒	The system allows the user 3 chances to type the correct password. After the password has been incorrectly entered 3 times, this icon will be displayed together with a short message stating “system shut-down”. The user then has to reboot the system to try to type the correct password again.

Load Default Settings

When you select this menu item, the following dialog box displays:

Do you want to load default settings?

[Yes] [No]

To load factory-default settings for all the parameters, select **Yes** and press **Enter**. Otherwise, select **No** and press **Enter**.

6 Troubleshooting

This chapter instructs you on how to deal with common system problems. Read it before calling a technician if a problem occurs. Solutions to more serious problems require opening up the computer. Do not attempt to open the computer by yourself. Contact your dealer or an authorized service center for assistance.

Frequently-asked questions

This is a list of possible situations that may arise during the use of your computer, and it gives easy answers and solutions to these questions.

I slid the power switch and opened the display, but the computer does not start or boot-up.

Look at the power indicator:

- If it is not lit, no power is being applied to the computer. Check the following:
    - If you are running on battery power, it may be low and unable to power the computer. Connect the AC adapter to recharge the battery pack.
    - Make sure the AC adapter is plugged properly into the computer and into the power outlet.
- If it is lit, check the following:
    - If the Standby indicator is lit, the computer is in Standby mode. Press any key or tap on the touchpad to resume.
    - Is a non-bootable (non-system) diskette in the floppy drive? Remove or replace it with a system diskette and press Ctrl-Alt-Del to restart the system.

The operating system files may be damaged or missing. Insert the startup disk you created during Windows setup into the floppy drive and press Ctrl-Alt-Del to restart the system. This will diagnose your system and make necessary fixes.

Nothing appears on the screen.

The computer's power management system automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not turn the display back on, two things might be the cause:

- The brightness level might be too low. Press **Fn**-← and **Fn**-→ to adjust the brightness level.
- The display device might be set to an external monitor. Press the display toggle hot key **Fn-F6** to toggle the display back to the

computer.

Image is not full-screen.

Make sure the resolution is set to 1024x768. Right-click on your Windows desktop and select Properties to bring up the Display Properties dialog box. Then click on the Settings tab to make sure the resolution is set to the appropriate resolution. Resolutions lower than the specified resolution are not full-screen on the computer or on an external monitor.

No audio from the computer.

Check the following:

- The volume may be muted. In Windows, look at the volume control icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option.
- The speakers may be turned off. Press **Fn-F8** to turn the speakers on (this hotkey also turns the speakers off).
- The volume level may be too low. In Windows, look at the volume control icon on the taskbar. Click on the icon and adjust the level. You can also use the volume control knob on the left panel of the computer to adjust the volume. See “Adjusting the volume” on page 30 for more detail.

If headphones, earphones or external speakers are connected to the line-out port on the computer’s front panel, the internal speakers automatically turn off.

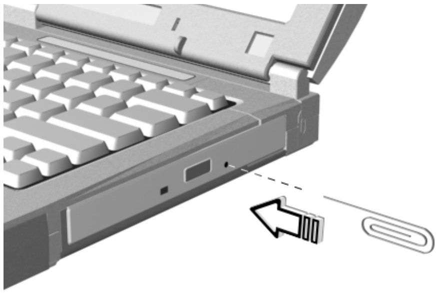
External microphone or audio line-in device does not work.

Check the following:

- Make sure the external microphone is connected to the microphone-in jack and/or the audio line-in device is connected to the audio line-in jack on the computer’s left panel.
- If you cannot hear playback, the speakers may be muted.

How do I eject the CD-ROM tray with the computer turned off?

There is a mechanical eject button on the CD-ROM drive. Simply insert the tip of a pen or paperclip and push to eject the CD-ROM tray.



The keyboard does not respond.

Try attaching an external keyboard to the PS/2 connector on the computer's rear. If it works, contact your dealer or an authorized service center as the internal keyboard cable may be loose.

The serial mouse does not work.

Check the following:

- Make sure that the serial cable is plugged securely into the serial port.
- During POST, press **F2** to access the BIOS Utility. Go to the Onboard Device Configuration screen and verify that the serial port is enabled. See "Onboard Device Configuration" on page 96 for details.

I prefer using an external keyboard and mouse, but both have PS/2 connectors and there is only one PS/2 port on the computer.

To connect two PS/2-type devices to the computer, you need to use a PS/2 Y-bridge connector. See "PS/2 Y-bridge cable" on page 60 for details.

The printer does not work.

Check the following:

- Make sure that the printer is connected to a power outlet and that it is turned on.
- Make sure the printer cable is connected securely to the computer's

parallel port and the corresponding port on the printer.

- During POST, press **F2** to access the BIOS Utility. Go to the Onboard Device Configuration screen and verify that the parallel port is enabled. See “Onboard Device Configuration” on page 96 for details.

The infrared port does not work.

Check the following:

- Make sure that the infrared ports of the two devices are facing each other (+/- 15 degrees) a maximum of 1 meter apart.
- Make sure there is a clear path between the two infrared ports. Nothing should be blocking the ports.
- Make sure you have the appropriate software running on both devices (for file transfers) or you have the appropriate drivers (for printing to an infrared printer).
- Make sure both devices are IrDA-compliant.

I want to set up my location to use the internal modem.

To properly use your communications software (e.g., HyperTerminal), you need to set up your location:

1. Open the Windows Control Panel and double-click on the Modems icon.
2. Click on Dialing Properties and begin setting up your location.

Refer to the Windows manual.

I get a “Not Enough Space for Allocation” error message from Sleep Manager

This is an error message that may appear when Sleep Manager is creating the Hibernation file. There are several different reasons that may cause this error:

- One reason is that the size of the free disk space on your hard disk is less than the required size.

  For example, if the onboard memory is 32MB and the video memory is 2MB, the total free disk space required will be around 34MB. If the total free disk space is less than this, the user has to free up space on his hard disk.

- The hard disk has enough free space, but this free space exists as small fragments.

The free disk space that Sleep Manager requires needs to be contiguous. To solve this problem, use tools such as Disk Defragmenter (Windows) to compact these free disk spaces. Then run Sleep Manager again to create the file.

- Disk compression utilities are used.

  Sleep Manager can work with most compression software. However, Sleep Manager can only create the space on a host drive. A host drive stores original file information and cannot be compressed. The free space on the host drive is usually very small, so the compression software needs to be run again to enlarge the size of the host (uncompressed) drive for Sleep Manager.

For more information, see "Sleep Manager" on page 78.

Why can’t I charge my battery to 100% charged when it is 95-99% charged?

To preserve the life of the battery, the system only lets you charge the battery when its capacity falls below 95%. In fact, it is recommended that you bring an extra battery and let the battery in the system use up its power before charging it.

Error messages

If you receive an error message, note the message and take the corrective action. The following table lists the error messages in alphabetical order together with the recommended course of action.

Error Messages	Corrective Action
CMOS Battery Bad	Contact your dealer or an authorized service center.
CMOS Checksum Error	Contact your dealer or an authorized service center.
Disk Boot Failure	Insert a system (bootable) diskette in the floppy drive (A:), then press **Enter** to reboot.
Diskette Drive Controller Error or No Controller Present	Contact your dealer or an authorized service center.
Diskette Drive Error	Contact your dealer or an authorized service center.
Diskette Drive Type Mismatch	Press **F2** (during POST) to enter the BIOS Utility; then press **Esc** to exit and reconfigure the computer.
Equipment Configuration Error	Press **F2** (during POST) to enter the BIOS Utility; then press **Esc** to exit and reconfigure the computer.
Hard Disk 0 Error	Contact your dealer or an authorized service center.
Hard Disk 0 Extended Type Error	Contact your dealer or an authorized service center.
I/O Parity Error	Contact your dealer or an authorized service center.
Insert system diskette and press <Enter> key to reboot	Insert a system (bootable) diskette in the floppy drive (A:), then press **Enter** to reboot.

Error Messages	**Corrective Action**
Keyboard Error or No Keyboard Connected	Contact your dealer or an authorized service center.
Keyboard Interface Error	Contact your dealer or an authorized service center.
Memory Size Mismatch	Press **F2** (during POST) to enter the BIOS Utility; then press **Esc** to exit and reconfigure the computer.
Missing operating system	Press **F2** (during POST) to enter the BIOS Utility; then press **Esc** to exit and reconfigure the computer.
Non-system disk or disk error. Replace and strike any key when ready	Insert a system (bootable) diskette in the floppy drive (A:), then press **Enter** to reboot.
Pointing Device Error	Contact your dealer or an authorized service center.
Pointing Device Interface Error	Contact your dealer or an authorized service center.
Protected Mode Test Fail	Contact your dealer or an authorized service center.
RAM BIOS Bad	Contact your dealer or an authorized service center.
RAM Parity Error	Contact your dealer or an authorized service center.
Real-Time Clock Error	Press F2 (during POST) to reconfigure the computer.
Video RAM BIOS Bad	Contact your dealer or an authorized service center.

If you still encounter problems after going through the corrective measures, please contact your dealer or an authorized service center for assistance. Some problems may be solved using the BIOS setup utility. See “BIOS Utility” on page 92.

Troubleshooting tips

The TravelMate 730 series notebook computer incorporates an advanced design that delivers onscreen error message reports to help you solve problems. In addition, this series of notebook computers ship with PC-Doctor, a powerful diagnostic tool, that helps you determine hardware configuration and clarify hardware or software problems.

- If the system reports an error message or an error symptom occurs, See “Error messages” on page 110.
- If you suspect the system has a problem, run PC-Doctor to diagnose it. See the following section.

Using PC-Doctor

Before running the program, take note of the following actions you may need to take:

1. Disconnect any external devices (PC card, external mouse, etc.).
2. Open System Properties to make sure that the components you want to diagnose are enabled.

   To open the properties window for the system, click on **Start**, **Settings**, **Control Panel**, then double-click on **System**.
3. Close all application programs (i.e., fax or communication programs) if you plan to diagnose the modem.

To run PC-Doctor, simply double-click on the **PC-Doctor** icon located on the Windows desktop. You can also access PC-Doctor by clicking on **Start**, **Programs**, **PC-Doctor**, and then clicking on the **PC-Doctor** program.

If PC-Doctor does not report a system error, reinstall the software driver from the Recovery CD for the component you suspect has a problem. If you still have problems, you can access our online and Internet technical support services. Please see the following section for details.

Online services

There are three ways to access Acer for technical support and information:

- Internet service worldwide, visit (www.acer.com)
- Online service in the United States and Canada, call 1-800-816-2237
- Technical support numbers in various countries

You can view a list of technical support numbers by following these steps:

1. Click on **Start**, **Settings**, **Control Panel**.
2. Double-click on **System**.
3. Click on the **Support Information** button.

Before you call

Please have the following information available when you call Acer for online service, and please be at your computer when you call. With your support, we can reduce the amount of time a call takes and help solve your problems efficiently.

1. If there are error messages or beeps reported by your computer, write them down as they appear on the screen (or the number and sequence in the case of beeps).
2. If you are able to run the PC-Doctor diagnostic tests, locate the log file by selecting **Windows**, **Test Log** in the PC-Doctor menu bar.
3. If you haven't registered your notebook computer, you will be required to register during your first call to Acer. You are required to provide the following information:

Name: ______________________________________

Address: ____________________________________

____

Telephone number: ____________________________

Machine and model type: _______________________

Serial number: ________________________________

Date of purchase: _____________________________

A Specifications

This appendix lists the general specifications of your computer.

Microprocessor

- Intel® Pentium® III processor with 256 KB level 2 cache and Intel® SpeedStep™ technology support (on select model)

Memory

- Main memory expandable to 256MB
- Dual 144-pin soDIMM socket SDRAM (Synchronous Dynamic Random Access Memory)
- 512 KB Flash ROM BIOS

Data storage

- One 3.5-inch internal floppy drive
- One high-capacity, Enhanced-IDE hard disk
- One 5.25-inch internal removable CD-ROM or DVD-ROM drive

Display and video

- 13.3”-/14.1”-/15”-inch Thin Film Transistor LCD displaying 24-bit true-color at 1024x768 XGA resolution
- 2X AGP video graphic accelerator with 8 MB video memory
- Simultaneous LCD and CRT display
- Dual display capability

Audio

- 16-bit high-fidelity PCI stereo audio with 3-D sound and wavetable synthesizer
- Built-in dual speakers with microphone
- Sound Blaster Pro- and Windows Sound System-compatible
- Separate audio ports for line-out, line-in and microphone-in devices

Keyboard and pointing device

- 84-/85-/88-key Windows keyboard
- Ergonomically-centered touchpad pointing device

I/O ports

- Two type II/I or one type III CardBus socket(s)

- One RT-45 LAN jack
- One RJ-11 phone jack
- One DC-in jack (AC adapter)
- One FIR wireless communications port (IrDA-compliant)
- One RS-232 serial port (UART16550-compatible)
- One parallel port (ECP/EPP compliant)
- One external monitor port (DDC 2.0-compliant)
- One keyboard/mouse port (PS/2-compatible)
- One mini docking station connector
- One speaker/headphone-out jack
- One audio line-in jack
- One microphone-in jack
- One USB port
- One S-video output jack

Weight and dimensions

- 3.2 kg (7 lbs)
- 323.5 x 271 x 36 mm (minimum) to 46 mm (maximum)

Temperature

- Operating: 10°C ~ 35°C
- Non-operating: -20°C ~ 60°C

Humidity (non-condensing)

- Operating: 20% ~ 80% RH
- Non-operating: 20% ~ 80% RH

System

- Windows 98, Windows NT 4.0, Windows 2000 and Windows 95 (Simplified APM) compliant
- Mobile PC99-compliant

Battery pack

- 59.9-WattHour Li-Ion battery pack

- 3.5-hour rapid charge/5-hour charge-in-use

AC adapter

- 60-Watt
- Auto sensing 100~240Vac, 50~60Hz

Options

- 32-/64-/128-MB 64-bit soDIMM memory upgrade module
- Higher-capacity hard disk drive
- DockMate V docking station
    - AcerLink PC CardBus slots module
    - AcerLink Wake-On-Lan module
    - AcerLink 1394 FireWire module
- External USB video capture kit
- External battery charger
- PS/2 Y-cable
- Additional AC adapter and battery pack
- Numeric keypad
- File transfer cable
- In-air/auto adapter

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